





# The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 3179  
VOL. CXXXIV

JANUARY 11, 1941

Annual Subscription (with  
Diary) 25/- Single Copies 9d.

## In Wartime You can help by . . .

*E*THUS far one of the most noticeable effects of war conditions has been the additional strain placed upon our transport facilities. In spite of these conditions we are making every effort to maintain a smooth and equable system of distribution of our medical specialities, and your assistance would be greatly appreciated.

**1** Carrying adequate stocks of widely-prescribed preparations, such as the sulphonamides ★ DAGENAN M. & B. 693, ★ THIAZAMIDE, ★ PROSEPTASINE, ★ SOLUSEPTASINE; the barbiturates ★ SONERYL, ★ SONALGIN, ★ GARDENAL, ★ RUTONAL, ★ THEOGARDENAL, ★ CYCLONAL SODIUM; the gold salt ★ MYOCRISIN; the arsenical tablets ★ S.V.C. for trichomonal leucorrhœa.

**2** Ordering all additional supplies through your usual wholesaler if in retail business.

**3** Reducing rush orders to a minimum.

\* TRADE MARK

PHARMACEUTICAL SPECIALITIES (MAY &amp; BAKER) LTD., DAGENHAM



## **PURCHASE QUOTA**

We are prepared to negotiate with registered wholesalers who have a quota to dispose of for the present period (December-May) under Class 16 of the Limitation of Supplies Order with a view to purchasing such surplus quota.



*Please address communications to:*

**R. J. REUTER COMPY. LTD.**

Sole distributors of  Genuine Eau de Cologne,  
Perfumery and Toilet Products

**BEDFORD AVENUE, SLOUGH  
BUCKS**



QUALITY  
UNCHANGED



Here it is!  
**RED HEART**  
in the new glass pack  
8d. per jar  
THE SUPREME DOG FOOD

JOHN MORRELL & COMPANY LIMITED

HAVE PLEASURE IN  
ANNOUNCING THEIR

**NEW  
GLASS PACK  
FOR  
RED HEART  
DOG FOOD**

in the same  
**3 diets  
A, B & C**

**RETAIL PRICE** per glass jar **8d**

**TRADE PRICE** per open tray (24 jars) **12/6**  
CARRIAGE PAID

**RETAILERS PROFIT** per tray **3/6**

**RED HEART DOG FOOD**

JOHN MORRELL & COMPANY, LIMITED, LIVERPOOL AND LONDON

CVS-196

A

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# Q U O T A

**F. W. Hampshire & Co. Ltd.** are prepared

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to purchase quotas in Class 16

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Limitation of Supplies Order. Those

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interested, please communicate with

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**F. W. HAMPSHIRE & CO. LTD.**

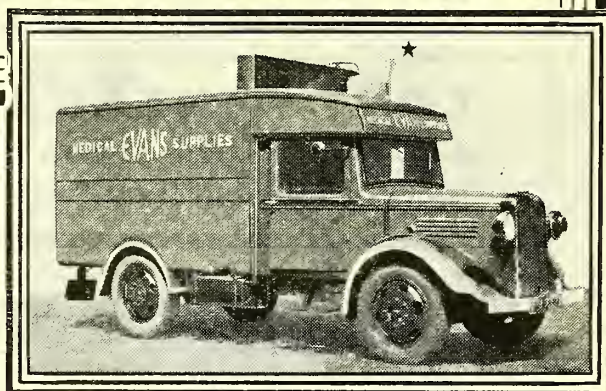
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**SUNNYDALE WORKS, DERBY**



# Chemists' interests safeguarded by **EVANS** **NATIONAL DELIVERY SERVICE**

*\*Million-mile-a-year  
fleet converting to meet  
emergency conditions*



War-time conditions have imposed new and serious problems but it is the aim of the Evans organisation to maintain as fully as possible their routine standards of delivery. Certain restrictions of schedule have become inevitable and these have been accepted with understanding and in a spirit of co-operation. Such difficulties are being largely overcome by the organisation and initiative of Evans transport engineers.

Emergency rationing in the matter of petrol supplies has been provided against in advance and the conversion of the transport fleet to gas-fuelling is in process. Already five gas

producers have been installed and experimental working has indicated their economy as well as their effectiveness for the maintenance of a basic delivery service.

(\*The type of gas producer in use can be seen in the photograph, standing out above the roof of the van).

Customers can therefore rely upon Evans supplies remaining available in all conditions where transport is humanly practicable. The greatest promptitude consistent with the conditions prevailing at any given time will be, in the future as in the past, a first concern of the House of Evans.

**EVANS SONS LESCHER & WEBB LTD., LIVERPOOL AND LONDON**

**EVANS**



# THERE IS NO SHORTAGE

and there will be

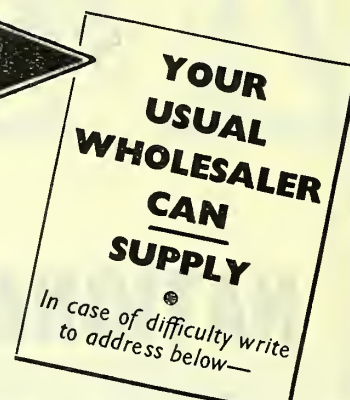
no shortage of—



and...

## LACTOBYL

These preparations have been made in this country for the last five years. The formulae remain the same. Ample supplies are available for Home and Export consumption



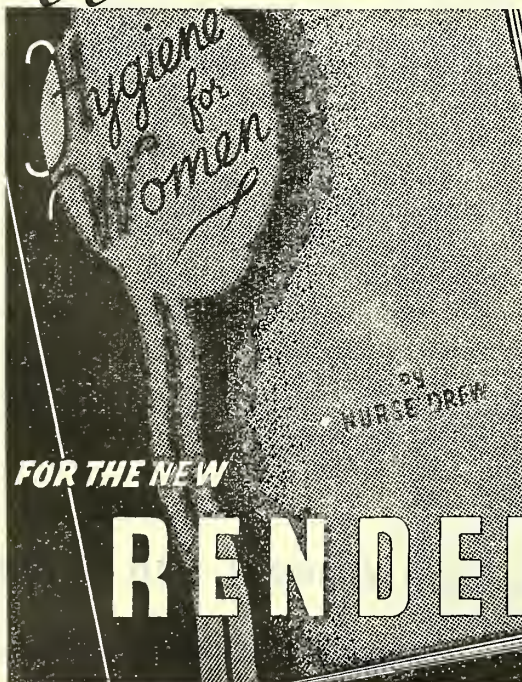
### CONTINENTAL LABORATORIES LTD.

BRUNEL ROAD EAST ACTON LONDON W.3

Telegrams : "TAXOLABS, PHONE, LONDON"

Telephone : SHEP. BUSH 3431—2

## A BOOKLET WHICH IS *Your* SALESMAN



Our advertising is directed solely for securing the maximum number of requests for Nurse Drew's Booklet "Hygiene for Women". An essential feature of this Campaign is that such requests are directed to Chemists. Failure to supply means loss of sales, because the reading of the booklet is automatically followed by purchase of one or more Rendell's Products.

Write today for a free supply for counter use and the latest Chemists' Display Material.

**W. J. RENDELL LTD.,**  
Hardwick House,  
161/165, Rosebery Avenue, London,  
E.C.1.

**FOR THE NEW**

# RENDELLS

**PRODUCTS**

**FOR FEMININE HYGIENE**



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**IMPORTANT ANNOUNCEMENT**

**NATIVELE'S DIGITALINE.**—Adequate supplies of this preparation are now available. As a war-time measure only **one form, strength and size** will be issued:—

TABLETS—1/600 grain—bottles of 40.

**GENOSCOPOLAMINE.**—Supplies of this product will be available in the course of a few weeks. Granules only will be issued.

**OTHER FOREIGN PROPRIETARIES.**—Many lines formerly imported are now manufactured in our own laboratories.

ALEPSAL

BEJEAN SPECIFIC

BI-CITROL

FRAISSE'S Ampoules and Drops

GELINEAU Dragées

LYSANTHINE

NEURINASE Tablets and Solution

PRUNAGAR

SOPORIGENE Tablets

TERPOFLOR Solution and Capsules

TRICALCINE Tablets

Announcements will be made in due course as further products become available.

**WILCOX, JOZEAU & CO. LTD.**

74-77 White Lion Street, London, N.1, and 19 Temple Bar, Dublin

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**CREO**  
**BRONCHIAL & CATARRH**  
**Syrup**

A chemist writes: "Please send as soon as possible the balance of my contract for 'Crea' Bronchial and Catarrh Syrup. This is undoubtedly the best seller amongst all Cough Mixtures."

Give "Crea" a trial and you too will find it a quick repeat line due to public recommendation. Retail 1/4½ per bottle including Purchase Tax.

● Send for complete list of all Cartwright's big profit winter lines, including Elixir Taffol.

# Quick selling Profitable winter lines

PENETROL INHALANT is a well established proprietary in popular favour as a preventative against Catarrh, Influenza, Head Colds and Headaches. There is an increasing demand for PENETROL DROPS for direct nasal application by means of dropper supplied. PENETROL TABLETS for internal use — PENETROL PASTILLES, soothing to the throat — clears Catarrh and relieves difficult breathing.

**PENETROL**  
BRAND  
**INHALANT • DROPS**  
**PASTILLES**



**W. B. CARTWRIGHT LTD., RAWDON, LEEDS.**



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ESTABLISHED A.D. 1746

## CUTICURA—TANGEE—ANZORA

Formerly of 31-33 BANNER STREET, LONDON, E.C.1

*Please Address all Communications to us at:*

**VICTORIA HOUSE, VERNON PLACE  
SOUTHAMPTON ROW, LONDON, W.C.1**

**A REQUEST TO OUR FRIENDS.**—Many of our records are at present inaccessible. There must of necessity be delay in the execution of orders, but we are making arrangements for the renewal of supplies as early as possible.

**KINDLY REPEAT ANY UNEXECUTED ORDERS, ALSO ANY  
UNACKNOWLEDGED LETTERS, INVOICES AND STATEMENTS**



ESTABLISHED  
1904

*Specialists  
in the manufacture  
of  
Tablets  
and  
Pills*

Over 30 years of Specialised  
Manufacturing Experience  
assure you of

**QUALITY and ACCURACY**  
Our PRICES are COMPETITIVE

"Own Brand" printing for packed lines if required  
Special Quotations for Wholesale Quantities  
packed or in bulk

### PROPRIETARY REMEDIES

We exercise the greatest care in the manufacture of proprietary lines and can supply either in bulk or ready packed for market including printing special designs of labels and cartons

*The*  
**Cooper Laboratory**  
*Watford*

Telephone :  
3612

Telegrams :  
"Science"

**FRUIT FLAVOURED LAXATIVES**

Tins of 8 (minimum  
3 doz.) @ 1/11 doz.

Tins of 20 @ 4/3 doz.

In Envelopes:

2s @ 8/- gross

3s @ 9/6 gross

4s @ 11/3 gross

**COLONIAL  
SYRUP OF FIGS**

2½-oz. bottles  
@ 6/10 doz.

5-oz. bottles  
@ 9/6 doz.

**CHOCOLATE  
LAXATIVES**

Boxes of 6, 2/- doz.

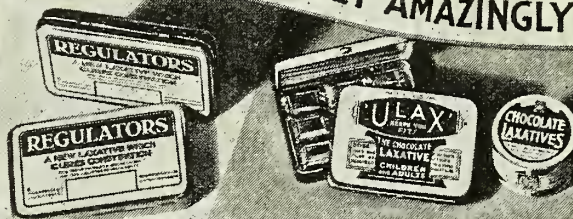
**LAXATIVES - HARMLESS YET AMAZINGLY EFFECTIVE**

**REGULATORS**

Each contain 2 grains  
Phenolphthalein with  
chocolate base:

Bottles of 25, 4/6 doz.

Tins of 36, 6/3 doz.

**ULAX Brand**

Cubes of real chocolate  
each containing 2 grains  
Phenolphthalein.

3 cubes wrapped:  
6 doz. @ 1/8 doz.  
12 doz. @ 1/7 doz.  
Tins of 9, 4/- doz.  
Tins of 24, 8/3 doz.

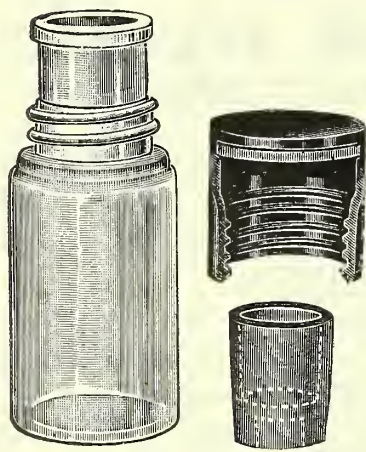
All Prices Subject to Purchase Tax 16½% and Market Fluctuations

**ARTHUR H. COX & CO. LTD. (EST. 1839) BRIGHTON**

**The 'Clinbritic' Vaccine Bottle**

Patent No. 492200

MADE IN WOOD'S ALKALI FREE AMBER or WHITE GLASS



Assembly Details

A new type of Multiple injection "vaccine" bottle which possesses several points of interest and offers a very near approach to the ideal.

No Wiring is necessary, and there is no distortion or bursting of the rubber cap even at pressures up to 50 lbs.

The india rubber vaccine cap, of special design, is protected by a screw bakeite cap, and provision is made for maintaining the sterility of the outside surface of the vaccine cap. No manipulation whatever is required after sterilization.

SAMPLES, PRICES & FULL DETAILS ON REQUEST



Completed

**Britton, Malcolm & Waymark, Ltd.**  
38 Southwark Bridge Road, London, S.E.1





**Still THE BIGGEST VALUE  
IN DENTURE CLEANSERS**  
—and sales increasing regularly

**SANIDENT** Regd.

With "SANIDENT" you offer your customers the biggest value in perborate denture cleansers. Its quality is unsurpassed—and in quantity it is unequalled. "First sales," on your recommendation, ensure regular demand. That is why "SANIDENT" sales continue to increase every month!

In addition, many dentists now recommend "SANIDENT" to their patients.

*NOTE: There is a profit of 6d. to the chemist on every bottle*

**Prices: Trade 12/- per doz. Retail 1/6 per bottle including Purchase Tax**

Every assistance in sales aids is given to the stockist of Sanident. Various show material is available as required.

**THORNTON & ROSS LTD., LINTHWAITE, HUDDERSFIELD**

TR66

## F. SCHUTZE & CO., LTD.

ESTABLISHED 1882

For "MASTER" BRAND SURGICAL TRUSSES  
SUSPENSORY BANDAGES  
JOCK STRAPS, etc., etc.

PERFUMERY BOTTLE WICKERERS in RAFFIA  
or SILK, plain or fancy, wide range of designs.  
Own bottles wickered at moderate cost.

Black Bull Works, Market Road, London, N.7

## THE "ALL BRITISH" VAPORISER



**INHALER & NIGHT LITE**  
WITH PACKET OF  
"SUNPINE"  
VAPORISING POWDER

DESTROYS GERMS from SHELTER

TRADE ENQUIRIES INVITED

Send P.O. 2/- for Sample, Post Free, or 1/- for Night Lite only  
PIERROT MFG. CO.; Nr. BENFIELD, ROMILEY, CHESHIRE

## EVACUATION NOTICE

**C. NESTLÉ & CO. LIMITED  
MOVE TO DEVON**

In order to overcome difficulties of production and to maintain an efficient service for our clients we have evacuated to the address below. Here we shall be able to supply demands for the ever-popular Nestlé products—Alura, Nestol, Colorinse Hair Beauty Outfit.

We thank our friends for past support and can assure them that our staff in its new home is fully organised to give prompt attention and quick dispatch of orders received.

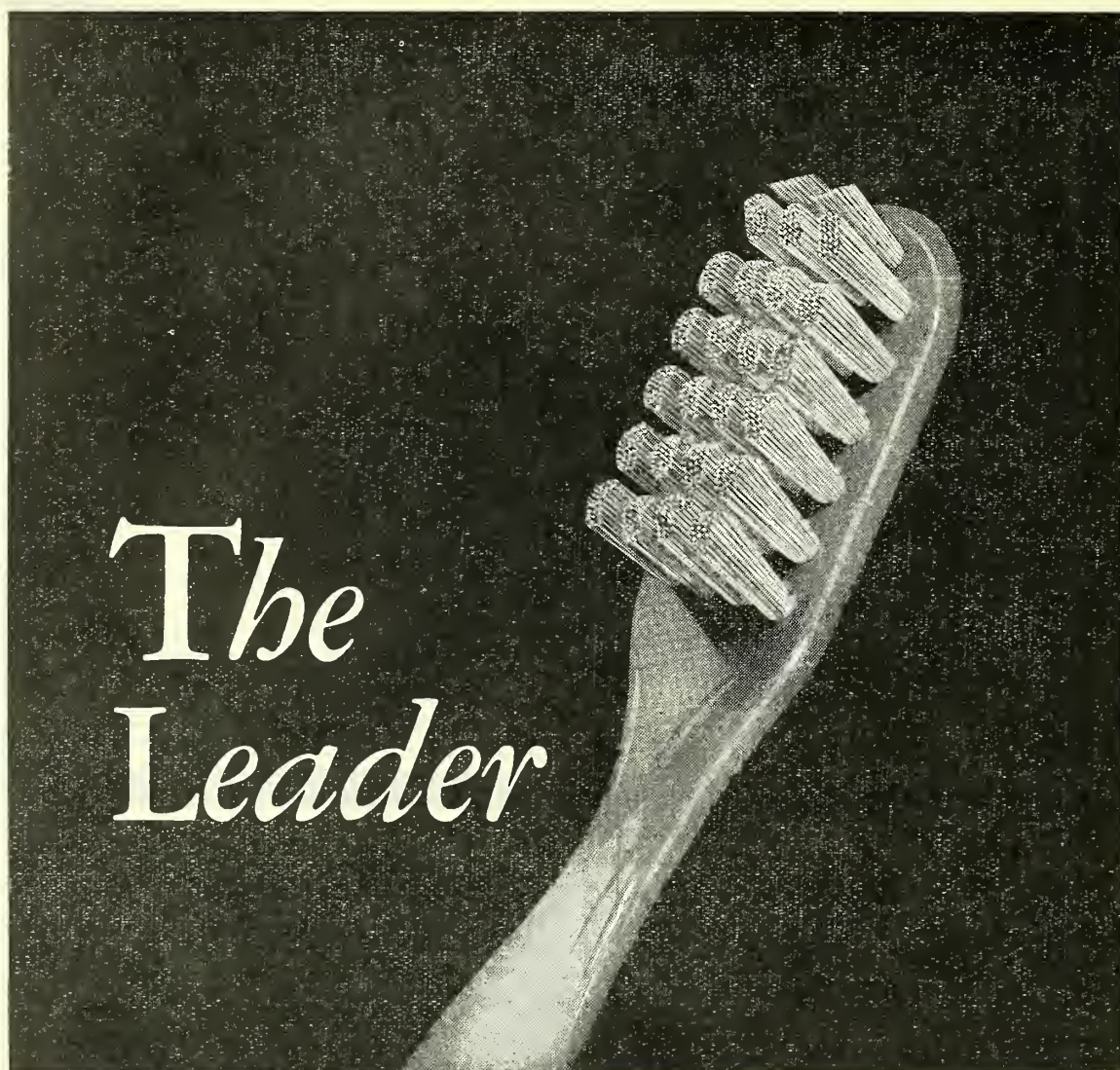
Please make a note of our new address to which all correspondence should be addressed.



**C. NESTLÉ & CO. LTD.  
BRANSCOMBE, DEVON**

465 Holloway Road, London, N.7. Telephone: ARChway 1184





**N**O need to tell you its name—for the name of the Wisdom Toothbrush is in everybody's mouth. It is easy to understand why. Addis had the benefit of 160 years' experience in making bristle brushes—they realised, no one better, the immense future for nylon toothbrushes. Addis put nylon tufts in their new Wisdom



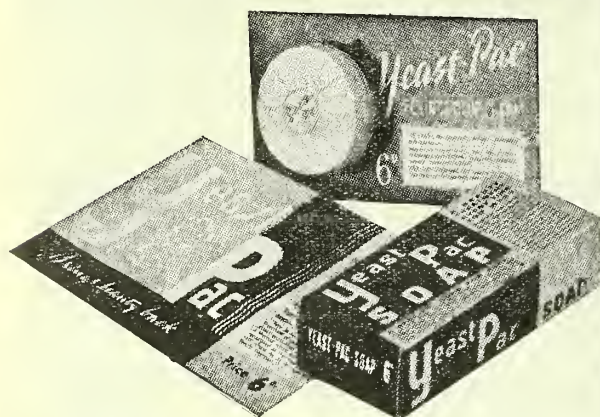
Toothbrush—and Addis backed their judgment with the most vigorous toothbrush advertising ever to appear in Britain. You know the results—the Wisdom is now the leader among toothbrushes. Distribution and display throughout the country is splendid and it would be churlish not to thank all chemists for their help. Plans are already in train—in fact complete to the last detail—to continue the advertising at even greater pressure throughout 1941. Wisdom sales bring you a generous margin of profit. Why not look over your stocks now—and order in advance?

*Wisdom* REGD.  
**TOOTHBRUSH**

TRADE TERMS STRICTLY P.A.T.A.

*14/6 per dozen plus tax. Retails 2/- plus tax.*

## AS LONG AS WOMEN ARE WOMEN



## Yeast-Pac PRODUCTS WILL BE STEADY SELLERS

The women of Britain have rallied magnificently to this country's war effort. *But they are still women.* The desire to keep their skins fresh and lovely is as strong as ever—stronger indeed: since many have had to accustom themselves to new and trying conditions. That's why YEAST-PAC Products are steady sellers. Here's a sure, safe — above all, an exceedingly *economical*—method of bringing new beauty, new activity to skin and pores. They freshen and revitalise tired complexions. They're the perfect answer to your customer's war-time beauty problems.

**YEAST-PAC BEAUTY MASK**

**YEAST-PAC FOUNDATION CREAM**

**YEAST-PAC BEAUTY SOAP**

**6d. each retail**

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THE  
**"MATER"**  
CLINICAL REGD.  
The position of the Mercury column is at once perfectly plain. Red markings above 99.4

**ALL TYPES OF  
CLINICAL  
AND OTHER  
THERMOMETERS**

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(ESTABLISHED 1852)  
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RUBBER  PRODUCTS

**C O N D O M S**  
BRITISH THROUGHOUT  
IN SILK AND IVORY FINISH, LOOSE ROLLED  
16/6 per gross net. Minimum quantities 5 gross lots.  
**GENERAL LATEX LIMITED**  
802 Oxford Avenue, Trading Estate, SLOUGH  
Telephone 13221

**Elastoplast**  
TRADE MARK BRAND

**BOIL DRESSINGS**

**The complete treatment  
for Boils**

T. J. SMITH & NEPHEW, L.M. NEPTUNE ST., HULL



# **TO ALL OUR FRIENDS IN THE TRADE**

who enquired so kindly about our  
welfare after the Blitz on Manchester

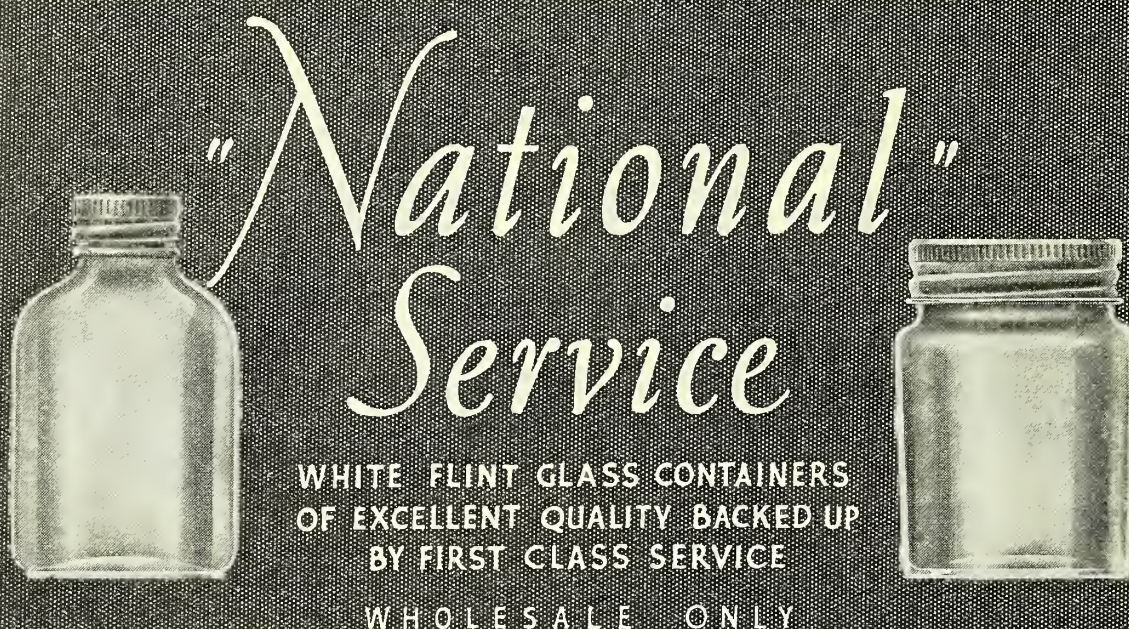
■ ■ ■

We got off with a few scratches,  
and are in good working trim again.  
Of course, difficulties of transport  
and communication have slightly  
upset our usual promptitude, but  
we have now practically made up  
for lost time, and all orders are  
already on the way or will be  
very shortly

■ ■ ■

**E. GRIFFITHS HUGHES LIMITED**  
ADELPHI, SALFORD, MANCHESTER





# "National" Service

WHITE FLINT GLASS CONTAINERS  
OF EXCELLENT QUALITY BACKED UP  
BY FIRST CLASS SERVICE

WHOLESALE ONLY

SEND PARTICULARS OF YOUR REQUIREMENTS TO:—

## NATIONAL GLASS WORKS (YORK) LTD.

WORKS, Fishergate, York.

Phone York 3021.

LONDON OFFICE, 105 Hatton Garden, E.C.1

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### NECK WOOL

SUPPLIES  
ARE AVAILABLE  
FROM STOCK

Let us quote for  
your requirements

**ROBERT BAILEY & SON, LTD.**  
SURGICAL DRESSING MANUFACTURERS  
DYSART STREET, GREAT MOOR, STOCKPORT.  
TELEPHONE: GREAT MOOR 3004 (2 LINES) TELEGRAMS: "UNDISPUTED" STOCKPORT.

### CLINICAL THERMOMETERS

30-sec. Lens front, long bulb, 13/6 doz.

30-sec. Lens, stubby bulb, 14/6 doz.

- Each in cardboard case.
- Maker's certificate with each.
- British made.

Any quantity post paid on receipt of remittance  
WAR ADVANCE PRICES

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"SWALES FOR SUNDRIES"

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A Journal for the up-to-date Pharmacist  
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**CURICONES** **ANTI-RHEUMATIC CAPSULES**

Supplied by request to over 6050 doctors  
(Figures certified by Chartered Accountants)

OTHER POPULAR LINES  
STE-MAT Nasal Balm, for the relief of colds and catarrh, is winning an ever-increasing circle of friends. In a nationwide investigation 81 per cent. of sufferers than any other remedy  
VICAPS, the Proved Nerve Tonic, did yeoman service during the last war in cases of nervous prostration, sleeplessness, lost appetite, neuralgic pain, and "War Nerves" generally. To-day VICAPS are coming into their own again. Advertising plans are in hand.

FOR  
GOUT · LUMBAGO · ARTHRITIS · **RHEUMATISM** · SCIATICA · NEURITIS · Swollen Joints & Kindred Ills  
STEPHEN MATTHEWS & CO. LTD., Manufacturing Chemists and Druggists, 19-21 Farringdon Street, London, E.C.4

**KARSODRINE**  
REGD INHALER BRAND

The  
**NEW Volatile Vasoconstrictor**  
(containing  $\beta$ -phenylisopropylamine)

A highly active local volatile vasoconstrictor and anodyne. Affords immediate and prolonged contraction of congested nasal mucosa with local analgesic action in cases of Coryza, Nasal Catarrh, Hay Fever, Asthma, Sinusitis, Rhinitis, and all forms of Nasal Congestion. In moulded plastic inhaler, with only ONE CAP to remove, to sell at the reasonable price of

**1/6** per inhaler  
(Including Purchase Tax)

**Trade Terms** (sent gladly to any qualified chemist upon application) show up to  
**5s. 2½d.** per dozen profit  
even on small quantities, when ordered with other "Griffiths Hughes" Pharmaceutical lines. Address: **E. GRIFFITHS HUGHES LTD., ADELPHI, SALFORD, 3, MANCHESTER**

Each Karsodrine Inhaler contains  
 $\beta$ -phenylisopropylamine 0.330 gm.:  
Cineol 0.091 gm.:  
Ol. Citronell 0.026 gm.:  
Methyl-o-oxybenzoate 0.023 gm.:  
Ol. Cedri Lig. 0.005 gm.:  
Menthol 0.049 gm.

ONLY ONE CAP TO REMOVE





# COMPOUND SYRUP OF HYPOPHOSPHITES



Many of your customers know that the "FELLOWS" brand is the best syrup of hypophosphites that money can buy.

The name is a guarantee of purity; and no effort is spared to maintain the excellence of this Syrup.

Because it commands the confidence of the Medical Profession, and of the public, the sale and recommendation of "FELLOWS" will enhance your prestige, and add distinction to your pharmacy.

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MEXICO, SPAIN, NEW ZEALAND,  
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MONTREAL - - - CANADA

*English Filter*

**POSTLIP**

*Papers*

**SQUARES  
CIRCLES  
FOLDED  
ROLLS**

**WHITE  
GREY  
PLAIN  
ANTIQUE  
EMBOSSED  
CRINKLED**

**SAMPLES  
FREE**

*Postlip Filterings are stocked by all the leading Wholesale Laboratory Dealers.*

**Evans, Adlard & Co. Ltd**

Postlip Mills, Winchcombe, Cheltenham

**GARDNER**

**MILLS** *Save money*

In the Gardner range of mills there are Combined Grinders and Sifters that not only frequently save a separate sifting process but achieve a very high proportion of the finest grades of powder with exceptional rapidity.

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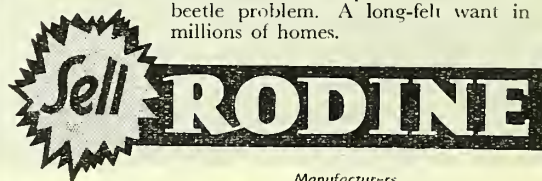
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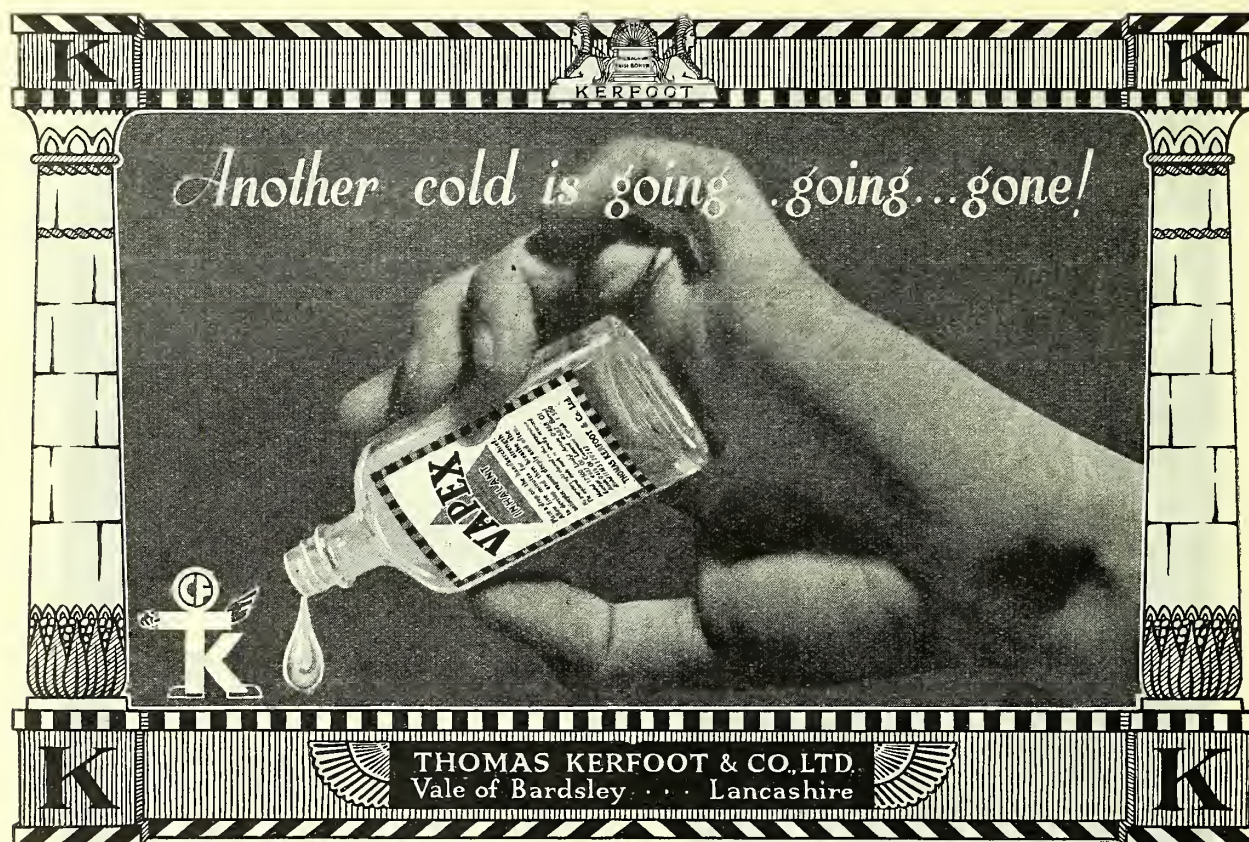


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## NEWS OF THE WEEK

**Essential Costly Drugs.**—The Treasury has given notice of an intention to make an Order dealing with certain drugs, those concerned being set out in the Treasury Notice, September 17, 1940, as being essential drugs of an exceptionally costly character and certain drugs and simple preparations added to that list following representations. It is proposed, states the notice, to give such directions as will secure that any of those goods which may not fall within the existing exemption shall cease to be chargeable with purchase tax, and that the tax shall become chargeable at the reduced rate on any other drugs or preparations which may fall within the existing exemption.

**Export Control Modification.**—The Board of Trade recently issued the Export of Goods (Control) (No. 42) Order, 1940 (S.R. & O., 1940, No. 2102), which modifies the list given in the Fourth Schedule to the Order No. 39 to include: Oils, unrefined or refined, the following: Coconut oil, cotton seed oil, groundnut oil, linseed oil, olive oil, palm oil, palm kernel oil and soya bean oil; lard, refined or unrefined; compound or imitation lard; and any goods (other than feeding stuffs for animals, edible flours, grain, potatoes and unmanufactured tobacco, whether stripped or not, including shorts and smalls, not denatured, and stalks) which, for the time being, are specified in Group 1 of the First Schedule to the Order.

**Medical Planning Commission.**—The British Medical Association has set up a Medical Planning Commission, and has invited the co-operation of the English Royal Colleges and the Scottish Corporations in this work. The terms of reference are as follows: "To study war-time developments and their effects on the country's medical services both present and future." In deciding the size and in choosing the *personnel* of the Commission the Association has had the view that such a body will be in the nature of an assembly, meeting from time to time to debate large questions of principle. The detailed work of the Commission will be undertaken in committees and subcommittees of the usual size, and their resolutions and recommendations will come up for discussion before the Commission itself. The Association believes that any disadvantage which may be attached to the size of the Commission will be more than offset by the advantage of its fully representative character. Much thought has been given to the age distribution of members of the Commission as well as to its representative character. The Commission will consist of sixty-eight doctors, representing all branches of medicine, under the presidency of Colonel Thomas Fraser, consulting physician to Aberdeen Royal Infirmary. The chairman is Mr. H. S. Souttar, surgeon to London Hospital, and the members include Lord Dawson of Penn, Sir Francis Fremantle and Dr. Haden Guest, M.P.

**Purchase Tax.**—The following decisions regarding the liability to tax of certain articles are published as supplementary to those already given in Notice No. 78. *Class 2.*—Not chargeable: Reinforced waterproof wrapping and packing paper and similar specialised wrapping and packing materials. *Class 5.*—Erratum to previous notice (*C. & D.*, January 4, p. 1): Spitting flasks are not chargeable with tax. *Class 6.*—Picture frames not liable as fancy goods under Class 16 are chargeable under Class 6. Picture frames made to order are also liable. *Class 7.*—Chargeable at the rate of 33½ per cent.: Portable lamps and hand torches of all descriptions. *Class 18.*—Soft soaps are chargeable only if they are specially prepared or put up for sale for toilet use. *Class 19.*—Sugars have been added to the "not chargeable" column of Class 19 (2) of Notice No. 78, and the following substances have been removed from Class 19 (1) (a) and will not be liable to tax unless put up as compounded medicinal preparations, e.g. as injections: Dextrose, liquid glucose, lactose, maltose, sucrose. Vitamins and vitamin concentrates have been added to the list of substances under Class 19 (1) (a) and are accordingly not chargeable unless put up for medicinal or veterinary use. The following vitaminised preparations are regarded as not chargeable provided they do not contain any other drugs or medicaments: Vita-

minised foods generally, vitaminised glucose, vitaminised malt extract, vitaminised oils, combinations of the above vitaminised preparations.

**Advertising Association and Arthritis.**—A new rule circulated among members of the Advertising Association by its advertisement investigation department includes arthritis amongst ailments for which cure or relief claims should not be advertised.

**Torch Batteries.**—The Board of Trade has issued as S.R. & O. 1940, No. 2168, the Dry Batteries (Prices) (No. 4) Order. Details are given of the maximum prices at which various batteries may be sold and the permitted increases in respect of purchase tax. Copies of the Order may be obtained from H.M. Stationery Office (price 1d.).

**Emergency Telephone Services in London.**—Fifty public telephones have been installed at Regina House, Cheapside, for the use of business men whose offices suffered in the recent incendiary attack on the City. Subscribers who have arranged for incoming calls to be transferred to other numbers are asked to notify, in writing, the Telephone Manager, Eagle House, Cannon Street, London, E.C.4.

**Retail Prices Approved by Central Price Committee.**—A statement issued by the Central Price Regulation Committee, on December 31, announced that retail prices capable of being put into effect on January 1 had been approved for all goods sold by Boots, Ltd. Owing to the large number of items involved it was not practicable for the Committee to publish details of all prices, but lists of the approved prices divided into the twelve categories—book, fancy, silver, toilet requisites, stationery and art, Boots' own goods, drugs, surgical sundries, photographic, proprietary medicines and toilet preparations, dog requisites and tablets—would shortly be in the hands of local price regulation committees, which would be able to verify from them any prices charged.

### IRELAND

**Turpentine Not Sold as Drug.**—A case brought under the Food and Drugs Act against Bridie Sheehan, Farranpore, co. Kerry, of offering for sale turpentine not of the nature, substance and quality demanded, was dismissed by the District Justice at Killarney recently on the ground that the turpentine was not sold as a drug.

**Recovery from Illness.**—Mr. J. R. Guiler, M.P.S.N.I., 122 North Road, Belfast (representative for Northern Ireland of The British Drug Houses, Ltd.), has made excellent recovery from a recent severe illness and will resume duties very shortly. Mr. Guiler is an active member of the committee of the Chemists' Benevolent Fund (Northern Ireland).

### SCOTLAND

**Business Change.**—Mr. William Currie, M.P.S., has disposed of his business at 43 High Street, Grantown-on-Spey.

**Trade Charges North of the Border.**—A Scottish subscriber writes: "Many chemists are now packing their own drugs, and the public seem to appreciate the endeavour. Plain labelling is the order of the day, but as the quality is generally superior to the popular idea of war-time standards the value is excellent and prices are good. The high quality is due to the fact that pre-war stocks have been held in bulk—a statement that applies particularly to such articles as cream olive oil, liquid paraffin and cod liver oil. There is a relative scarcity of many unnecessary articles; but the chemist has not to imagine that if he cannot supply an article he is necessarily losing good business. The fact is that there is frequently a shop-to-shop trek by customers, on the off-chance that the elusive article may perchance be picked up somewhere. One thing remains the same—the occasional amusing request by a less educated customer. A recent example with me was 'A packet o' Virginia wool tae pit on yer breist.' It was not difficult to supply the correct proprietary."



## COMPANY NEWS

### P.C. means Private Company and R.O. Registered Office

**TEXOL CLEANSER, LTD. (P.C.)**—Capital, £1,000. Objects: To carry on business as manufacturers of and dealers in chemicals, disinfectants, etc. Herbert Smith, 377 Willerby Road, Hull, director. R.O.: 76 Lowgate, Hull.

**PROTECTUS, LTD. (P.C.)**—Capital £200. Objects: To carry on business as manufacturers of and dealers in surgical appliances and apparatus, chemists' sundries, etc. The first directors are not named. R.O.: 369-371 Brixton Road, London, S.W.9.

**GALLANTRY (CHEMIST), LTD. (P.C.)**—Capital £500. Objects: To acquire the business carried on at High Street, Boston Spa, by representatives of the late Mr. Fred Gallantry. Mrs. Christina Gallantry, High Street, Boston Spa, and Philip Matkin, M.P.S., 708 Wakefield Road, Bradford, directors.

**WILLIAM BLAKELEY, LTD. (P.C.)**—Capital £2,000. Objects: To carry on business as wholesale or retail chemists, manufacturers of and dealers in surgical, photographic and scientific materials, etc. Louisa Blakeley and Dorothy M. Ellis (*née* Blakeley), M.P.S., directors. R.O.: 8 Market Place, Birstall, near Leeds.

**WARD & WOODMAN, LTD. (P.C.)**—Capital £3,000. Objects: To acquire the business of a chemist carried on by William A. G. Woodman, M.P.S., 17 Eastgate Street, Gloucester, as Ward & Woodman. William A. G. Woodman and Violet Wooler, 17 Eastgate Street, Gloucester, and Maud, Ronald, and Betty Woodman, directors.

**WHITEHALLS (CHEMISTS), LTD. (P.C.)**—Capital £100. Objects: To carry on business as chemists, druggists, etc. Harold Whitehall, M.P.S., 56 Moorgate, Bury, Lancs; Elizabeth E. Tomlinson, Tor View, Haslingden, Lancs; and John Tomlinson, Tor View, Haslingden, Lancs, directors. R.O.: 56 Moorgate, Bury, Lancs.

**WILLIAM IAN ROYAL. (P.C.)**—Capital £500. Objects: To acquire the business of a retail chemist carried on by Jessie Royal at 75 Moss Lane, Liverpool, as "Andrew Royal." Jessie Royal, 75 Moss Lane, Liverpool, and William Ian Royal, M.P.S., 15 Ormonde Drive, Maghull, Lancs, directors. R.O.: 75 Moss Lane, Liverpool.

**STEPHEN TALBOT & Co., LTD. (P.C.)**—Capital £100. Objects: To carry on business as wholesale and retail chemists and druggists, etc. Arthur L. Stephens, 30 East Acton Lane, Acton, London, W.3, and Geoffrey H. Rice, 5a Dunraven Road, Shepherds Bush, London, W.12, directors. R.O.: 388 Uxbridge Road, London, W.12.

**BANKRUPTCY.**—Mr. Gwyn Edward Pughe-Jones, M.P.S., 884 London Road, Thornton Heath, Surrey, chemist.

## INSURANCE ACT DISPENSING

**Bournemouth.**—The Insurance Committee has approved a recommendation by a subcommittee that a notice should be issued to medical men, for exhibition at their surgeries, urging, among other things, that where medicines are ordered by the doctor they shall be obtained from the chemist during the daytime whenever possible. It was decided that, in the absence of a general demand for earlier surgery hours, the chemists' evening closing time should continue at 7 p.m., as agreed last winter.

**Kilmarnock.**—The number of insured persons in the Burgh as at October 1, 1940, was 19,010, a decrease of 155 on the previous figure.

**Liverpool.**—The insured population of Liverpool is now 347,334: doctors on the Insurance Committee's medical list number 341 and chemists 247, controlling 382 shops. No cases of complaint against chemists have necessitated meetings of the pharmaceutical service subcommittees during the past twelve months. A decrease in the number and cost of prescriptions and in the frequency per insured person has taken place.

**Middlesex.**—A meeting of the war emergency committee of the Pharmaceutical Committee, held on December 11, noted an increase of 28.89 per cent. over pre-war figures in average cost of ingredients in prescriptions, and an increase by 1.52 per cent. in the average dispensing fees per 1,000 prescriptions. It was reported that the Insurance Committee had decided that the normal closing hours of chemists' establishments should be changed forthwith from 7 p.m. to 6 p.m., subject to local arrangements being made for the dispensing of medicines in one or more shops in each neighbourhood until 7 p.m. The war emergency committee points out to local chemists under contract with the Insurance Committee that facilities must be available at each pharmacy until 6 p.m., and unless the requisite notice is shown indicating places in the immediate neighbourhood at which prescriptions may be dispensed, until 7 p.m.

**General Council of Panel Chemists (Scotland).**—A meeting of the Council was held recently at 36 York Place, Edinburgh, Mr. F. W. M. Bennett in the chair. It was reported that a special committee had been appointed to meet representatives of the Department of Health (Scotland) in connexion with the payment of purchase tax on National Health Insurance prescriptions. This committee had been assured that the Department realised that it would be the duty of the Department to reimburse the chemists for tax paid on drugs used, and the Department had proposed a scheme. The Council accepted the principle of the scheme and remitted to the committee the adjustment of details. The chairman said he did not think anything had occurred under the present national situation to require a change in the terms of service.

## TOPICAL REFLECTIONS

**Confident Messages.**—Your happy idea of inviting New Year greetings from the heads of the principal organisations in or associated with pharmacy has had a noteworthy response (pp. 4-7). Through all the messages runs a note of confidence in the outcome of the country's struggle that cannot fail to hearten your readers. The work of the past year in taking the measure of the national difficulties we are confronting and of adjusting our policy to them has been done and will not have to be done again, save in so far as individual misfortune may overtake any of us. "We believe," writes the chairman of the Association of British Chemical Manufacturers, "in our ability to fulfil our trust, but we shall only succeed if we put forth our utmost effort and couple with it unceasing vigilance." The Master of the Society of Apothecaries of London presents a complementary truth: "Everything that we do must be for the benefit of the people, even though for a time it seems to our disadvantage." Each of the messages published shares this practical and discriminating quality, and to make selections for quotation seems almost invidious. I should like, however, to underline the happy suggestion of the president of the Pharmaceutical Society of Northern Ireland that a delegate from his Society might sometimes visit a Council meeting of the Pharmaceutical Society of Great Britain and that the visit might be returned. There is already a precedent in the occasional presence of an "outsider" at the Bloomsbury Square Council meetings, with a welcome by the president or other chairman. No more appropriate departure than that envisaged by Mr. Glendinning could be made; and to form such a link would be all to the good.

**Growing Resistance.**—The editorial article "Resist or Resign" (p. 11), and certain letters in your Correspondence columns during the past fortnight, indicate that a major crisis in the affairs of pharmacy is impending. We are to some extent in the dark in this matter, as we do not know the nature of the negotiations that have taken place between the interested parties; but there must be few among us who would countenance the surrender of our rights without a battle. What is the Pharmaceutical Society or its Council afraid of? Is it thinking of the year 1880, when it lost a High Court case on the interpretation of the word "person" in Sections 1 and 15 of the Pharmacy Act of 1868?

Or is it thinking of the bitterness engendered by the admission of apothecaries' assistants to the Register of Chemists and Druggists in and after 1919? The latter event was rounded off by the mitigating circumstance that (as Sir William Glyn-Jones pointed out) the number of such persons admitted was fewer than was at first feared. But what mitigating circumstance could we expect if a surrender to the wildest claims of co-operative societies was made? In my view, it is time for the responsible leaders of the Society to take members into their confidence, even if it has to be done by means of a private meeting. The present ignorance of what is going on inevitably gives rise to rumour and mistrust. It has been said that pharmacists are a feeble folk, but I believe that on an occasion of this kind they will be found capable of vigorous and, what is more important, sustained activity.

**In Plough Court.**—To every pharmacist the words "Plough Court" have long stood for a pharmacy of the highest type; and no one who has visited the famous premises, with their horseshoe-shaped counter, will read without dismay of their disruption by enemy activity. Your article on p. 12 on this subject made me open my copy of Mr. E. C. Cripps's "Plough Court," a well-documented account of an enterprise in which science, hard work and philanthropy were mingled. I need not refer to any of its contents, nor to your own article summarising the history of the house now known as Allen & Hanburys, Ltd. It is clear from a polemical reference during the abortive legislative efforts of physicians and apothecaries in 1748, cited by you in an article in 1926, that comparatively early in its career the firm of Silvanus and Timothy Bevan had become a formidable rival to the Society of Apothecaries of London, then conducting a "selling place" in Water Lane. In the middle years of the nineteenth century a pharmacist whom I afterwards knew gained valuable experience as an assistant there: I still remember a few of the features of life behind that counter as related to me. Certain pills were kept ready for sale, he said, in guinea and half-guinea boxes, one preoccupation of the chief counter assistant being to see that customers were made duly aware of the higher-priced size. One customer had the reputation of using half a pint of eau de Cologne in his bath daily: his City address was Billingsgate.

**Xrayser**

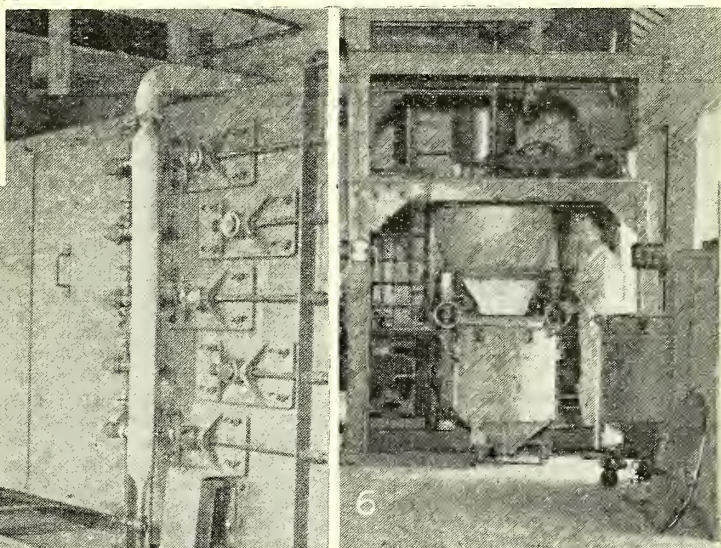
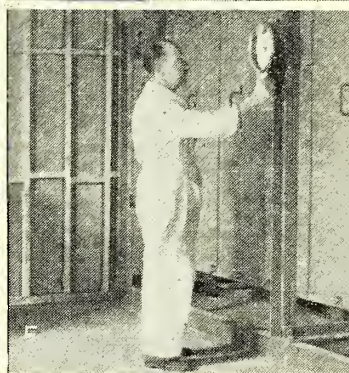
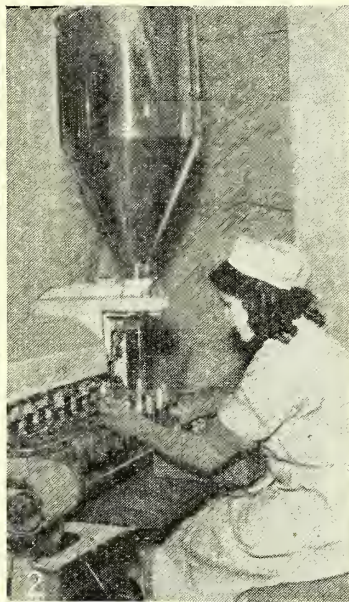
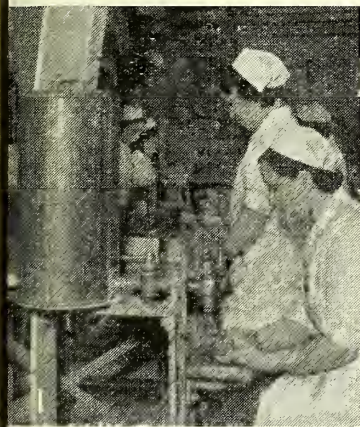


## NEW BEECHAM-GROUP FACTORY IN EIRE

A NEW pharmaceutical industry established in Eire within recent months is that of Proprietaries (Eire), Ltd., Parkgate, Dublin. The company responsible for this new venture commenced in Eire in June, 1935, as J. C. Eno (S.E.), Ltd., but removed early this year to larger premises at Parkgate Street. Up-to-date factory equipment and plant was installed, and manufacturing, packing and distributing on a much wider scale was initiated, the title of the firm being altered at the same time. A number of the Beecham proprietaries are now being manufactured from start to finish at the factory. The raw materials for Eno's Fruit Salt, which formerly came from England, now come direct from the United States, and the finished product today reaching chemists in Eire is entirely Irish-made. The

of the filling machine, the exact amount of tooth-paste required is filled-in from the pumping chamber, and the capped tube is then closed, coded, and ejected from the machine to a moving conveyor belt, where a team of girls pack the filled tubes into cartons and outers. Most of the raw materials for the paste again come direct from the United States, the flavouring agents being imported from Australia.

A third process of manufacturing carried on at the factory is the making of Amami shampoos and wave-set, and of Pompeian face powders. The entire range of Amami shampoos is produced. Mucilage base for the green wave-set is made in a gas boiler and transferred to a storage tank by way of a device which reduces the temperature from boiling point to room temperature in a matter of seconds. The spirituous



1. Bottling Veno's Lightning cough cure. 2. Filling tooth-paste into collapsible tubes. 3. Group of works staff; in the front row are Miss Wilson, Messrs. F. S. Lomax (works manager), W. B. Alexander (secretary), P. H. Harwood (a director), T. J. Hanna (assistant secretary), and Miss A. Pilgrim. 4. Packing Beecham's pills into penny "screws." 5. Drying oven for Eno's Fruit Salt. 6. Manufacturing unit for Macleans tooth-paste.

ingredients are fed into a rotating drum and thoroughly mixed, and the product falls in a thin white cloud on to a conveyor belt to enter the drying ovens. Belts moving in an opposite direction take the Fruit Salt back to the point at which it entered the mill, and after several journeys through the oven it is finally dried to the required degree and ready for packing. The product passes down a chute to the floor below, where it is filled volumetrically into bottles.

Another process carried out is the production of Macleans peroxide tooth-paste. Glycerin for this is driven by rotoplunger pump from the basement of the factory to the manufacturing unit on the top floor, with its series of decks on which are located pans and mixers. Temperature is important, and the pans can be steam-heated at one stage of the process and water-cooled at another, various ingredients being added at each. After mixing, the mass of tooth-paste moves to a lower deck, to pass through large granite rollers that ensure fine texture. From the roller mill the mass goes into monel-metal lined pans, in which the final mixing is carried out before the paste is released to travel by gravity to the tube-filling machine on the floor below. From the time the process begins the paste is kept continuously on the move until finally filled into tubes. As each tube comes under the nozzle

wave-set and Amami brilliantines are also made here. The cosmetic preparations are manufactured in a separate building from the medicinal, and at the moment the building is being entirely reconstructed.

Beecham's pills and powders are packed at, and Beecham's lung syrup and Lactopeptine distributed from, Parkgate. The factory equipment includes a battery of four machines in which the pills are packed in penny "screws." Once the pills are filled into the supply hoppers at the top of each machine the "screws" are turned out automatically at the rate of almost forty a minute. Veno's Lightning cough cure is filled and packeted at, and distributed from, Parkgate, while other Veno products handled include Germolene ointment and Germoloids, Dr. Cassell's tablets, Phensic, and Germolene toilet and shaving soaps. A part of the manufacturing process and the packaging of Phosferine are carried out in Dublin, while other preparations packed include Thermogene and its companion line Thermogene vapour rub, Yeast-Vite, Iron Jelloids, Phyllosan tablets, and Cicfa. Extensive alterations and improvements to the existing premises are being carried out. The directors of the company are Messrs. T. B. Ponsonby, P. H. Harwood, and W. C. Stubbs, with Mr. W. B. Alexander as secretary and Mr. F. S. Lomax as works manager.



## SODIUM HYPOCHLORITE

THE increased use of chlorine for disinfection purposes requires no urging at the present time, especially following the official recommendation given as to employment of hypochlorite solutions in public air-raid shelters. Chlorine for general domestic purposes is conveniently utilised in the form of sodium hypochlorite, which is readily decomposed with evolution of chlorine gas. Sodium hypochlorite can be simply prepared by passing chlorine gas through sodium hydroxide solution, and when so made is of a much purer quality than is necessitated for simple disinfection purposes. For the latter a cruder product containing sodium chloride is quite satisfactory.

The electrolytic cell used for preparing sodium hypochlorite is of simple construction, and once the conditions of current input, liquor concentration, and temperature have been standardised, the work proceeds continuously without requiring attention. Cells of this type have been recently placed on the market for the chlorination of swimming baths, and can be directly applied to drinking water. These consist of small earthenware vessels containing sets of graphite electrodes connected to the current supply. Troughs within the vessel subdivide direct current to the required figure by connecting up in parallel or series. The raw product, common salt, is generally in a sufficiently pure condition to be used directly, but cruder qualities require preliminary treatment with soda ash to separate out lime and magnesium salts. The concentration of the sodium chloride solution ranges from 10 to 15 per cent., giving from 10 to 20 gm. of active chlorine per litre. Stronger solutions can be used where current is comparatively cheap. Each pound of active chlorine produced requires approximately 3 K.W.H. provided the resistances do not increase the voltage beyond 6 volts. The graphite electrodes, cut from graphite plates so that they present a fixed number of square inches of surface to the current input, are placed in position so that they provide a series of cells within the earthenware vessel.

**Continuous Production.**—The salt solution of the required concentration is run into the cells from a siphon with a ball-float control, so that the pressure does not vary. Where it is desired to have the maximum conversion of sodium chloride into sodium hypochlorite, the salt liquor is run in at the lowest speed, but this does not always give the greatest current efficiency. The presence of some undecomposed sodium chloride does not act as a deterrent to the disinfecting properties of the final product. Advantage may therefore be taken of this fact and the finished product may be a mixture of sodium hypochlorite and undecomposed sodium chloride. The salt solution is made to take a zig-zag course as it passes from cell to cell, and in so doing the evolved chlorine is absorbed by the sodium hydroxide, a molecule of oxygen being combined in the process, whereby instead of sodium chloride being regenerated, the hypochlorite appears. The cells should be tightly closed to prevent any escape of free chlorine until the liquor has passed the final pair of electrodes, when an escape pipe is used to allow the hydrogen discharged from the cathode to get free.

Concentrated hypochlorite solution containing 100 gm. of active chlorine per litre has been prepared, but requires an anodic current density of from 11 to 12 amps. per square foot, and cooled platinum electrodes. By using the continuously flowing electrolyte, sufficient cooling is obtained, and the much cheaper graphite electrodes can be successfully substituted and the work may be carried out at normal temperatures. The higher the concentration of sodium chloride, the more easily are the chlorine ions discharged, and the greater must be the "ClO" ion concentration, whilst by preventing temperatures reaching abnormally high figures, apart from lowering the rate of chemical decomposition, equilibrium of the reactions is maintained. In factories producing sodium hypochlorite on a large scale electrolytically, current is often supplied by large generator sets, whilst the active chlorine content of the product is determined by automatic recorders. For small scale production by the foregoing process, the use of the rectifier is much simpler, as it requires no attention, and allows of much more flexible control. With the direct small-scale apparatus, wherein a partial decomposition to hypochlorite suffices, the salt solution is simply run continuously through the cells and, as it emerges from the discharge end, passed to the bottling department. In working out yields and energy expenditure in technical practice, 1.0 to 1.1 tons of active chlorine as sodium hypochlorite is obtained per horse-power year, at the rate of 3 lb. per K.W.H. It is doubtful if the small apparatus can give as high yields, but the convenience of setting up the whole outfit on a small bench has much to commend it.

## COMING EVENTS

Wednesday, January 15

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metropole Hotel, Leeds, at 2.30 p.m. Mr. H. N. Linstead (secretary, Pharmaceutical Society) on "Current Pharmaceutical Problems."

Friday, January 17

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, NORTH BRITISH BRANCH, 36 York Place, Edinburgh, at 7 p.m. Second Evening Meeting of the session. Professor H. Dryerre, Ph.D., M.R.C.S., F.R.S.E., on "Blood Transfusion and Blood Groups"

## TRADE-MARK APPLICATIONS

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Directory and Year-Book," 1940, p. 275.

(From "The Trade Marks Journal," November 27, 1940)

Device of pine trees with words "Pritchard's 'PURO' Pine" and seal containing words "A for P.T.P.," exclusive use of letters "P.T.P." disclaimed; for water-softening preparations and detergents containing pine oil. Also same device, etc., with the addition of the words, "The safe and powerful disinfectant, germicide, and deodorant, non-poisonous kills germs as it cleans"; for a liquid disinfectant, etc., containing pine oil (1) (3) (5) (I) By Pritchards, Ltd., 2 Bulkeley Road, Cheadle, Cheshire. B.612,304/5, B.609,4 (All Associated.)

"KOPFAX," for scientific and industrial chemicals (1) (IV). By F. & M. Supplies, Ltd., 21 Coldharbour, London, E.14. 612,538.

"WIROYL" (with signature of John Woolley); for agricultural chemicals (other than weed killers) (1) (IV). By J. Woolley, 119 Trench Road, Wellington, Shropshire. 613,0 (Associated.)

"DOLLY VARDEN" (device); for nail polish (3) (IV). By Jenson & Nicholson, Ltd., Carpenter's Road, Stratford, London, E.15. 612,919.

"LACTEVAN"; for pharmaceutical and veterinary preparations, all derived from milk and "ADRENUTOL"; for pharmaceutical and veterinary preparations, all contain adrenaline (5) (IV). By Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool 2. B612,927 and 612,928.

"CINÉ-KODAK" (exclusive use of word "Ciné" disclaimed); for cinematographic apparatus etc. (9) (IV). By Kodak, Ltd., Kingsway, London, W.C.2. 612,790. (Associated.)

"STRIPULAR" for electric heating apparatus (11) (IV). By The Hot-Point Electric Appliances Co., Ltd., 24 Newman Street, London, W.1. 613,167.

"GLENCOE" for cardboard or paper appliances to protect windows against blast (16) (I) By Glencoe Paper Works, Ltd., Perren Street, Ryland Road, London, N.W.5. 613,0

CONVERSION OF SPECIFICATIONS

(Section 36 (3) and Rules 6 to 8)

To Schedule IV (with amalgamation): No. 222,091, by T. Hedley & Co., Ltd.

(From "The Trade Marks Journal," December 4, 1940.)

"SELIX"; for adhesives to attach surgical dressings to the skin (1) (IV). By The British Drug Houses, Ltd., 16 to 32 Graham Street, City Road, London, N.1. 612,8 (Associated.)

"NITROFLIX"; for nitrogenous fertilisers (1) (IV). By Nitrogen Fertilisers, Ltd., 5 Gippesw Avenue, Ipswich. 612,847

"TUNGUM"; for utensils for use in dentistry (10) (IV). By Tungum Alloy Co., Ltd., Idlesley House (Suite 2), Victoria Street, London, S.W.1. 611,356 (Associated.)

"BURSON"; for surgical hosiery (10) (IV). By Burson Knitting Co., 208 Cedar Street, Rockford, Illinois, U.S.A. 612,809 (Associated.)

APPLICATIONS FOR TEMPORARY SUSPENSION

(Under Section 3 of the Patents, Designs, Copyright and Trade Marks (Emergency) Act, 1939)

No. 568,447 owned by Chemische Vertriebsgesellschaft m.b.H. Gereco, and No. 518,0 owned by Friedrich Merz, trading as Merz & Co.—Merz & Co., Ltd., 49 Queen Victoria Street, London, E.C.4.

(From "The Trade Marks Journal," December 11, 1940)

"ELON"; for photographic developers in powder form (1) (IV). By Kodak, Ltd., Kingsway, London, W.C.2. 612,789.

Device of front door of house with words "Martin's Number 10 Drops"; exclusive use separately or together, of the word "Martin's" and the word and numeral "Number 10" disclaimed; for medicated sweets (5) (IV). By G. Martin (Confectioners), Ltd., The H. Kirkby-in-Ashfield, Notts. 611,021.

"EUCADINE"; for pharmaceutical preparations (5) (IV). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 612,956.

"ARTHRACOL"; for pharmaceutical preparations for the treatment of rheumatism, etc. (5) (IV). By R. Blackie, Ltd., Shen Works, 16 Melon Road, Peckham, London, S.E.1. 612,991.

"PETER PAN"; for surgical rubber goods excluding plasters or pads (10) (IV). By L. Wilms 9 Tierney Road, Streatham Hill, London, S.W.2. 612,877.

"KORANNITE"; for a mineral substance as a substitute for stearite in industry (19) (IV) By Rotameter Manufacturing Co., Ltd., 276 Vauxhall Bridge Road, London, S.W. 612,916.

APPLICATIONS FOR TEMPORARY SUSPENSION

(Under Section 3 of the Patents, Designs, Copyright and Trade Marks (Emergency) Act, 1939)

No. 513,201 owned by Schering, Ltd., and No. 530,668 owned by Bayer Products, Ltd., Glaxo Laboratories, Ltd.

CONVERSION OF SPECIFICATIONS

(Section 36 (3) and Rules 6 to 8)

To Schedule IV (with amalgamation): No. 45,240 by Ogston & Tennant, Ltd.

(From "The Trade Marks Journal," December 18, 1940)

"FLAMOS"; for a fire extinguishing compound (1) (IV). By Macneal & Co., Ltd., 50 Pall Mall, London, S.W.1. 613,095.

"SANATOGEN"; for toilet preparations, etc. (3); all goods (5), except medicated wine, etc. all goods (20); all goods (30); animal and poultry foods, malt, etc. (31); all goods (32) All Schedule IV. By Genatosan, Ltd., 43 Regent Street, Loughborough. 605,717/8/9/2 1/2. (All Associated.)

"BUTYLAR"; for toilet preparations (3) (IV). By L. Scherk, 47 Carlisle Mansions, London S.W.1. 613,023.

"KOFFIX"; for medicinal preparations (5) (IV). By W. J. Gilbert, 8 East Street, Newquaa B613,020.

"EROS"; for surgical articles of india-rubber (10) (IV). By L. Wilms, 9 Tierney Road, Streatham Hill, London, S.W.2. 612,876.

"ZEPHYR"; for cachous being confectionery (39) (IV). By British Merchants Incorporated Ltd., 32 Lime Street, London, E.C.3. 612,821.

APPLICATION AMENDMENT

According to "The Trade Marks Journal" of December 18, 1940, specification No. 611,83, by Helyepharm Gesellschaft Mit Beschränkter Haftung has been amended to "Pharmaceutical, veterinary and sanitary substances (other than plasters and material for bandaging); disinfectants and preparations for killing weeds and destroying vermin."

CONVERSION OF SPECIFICATIONS

(Section 36 (3) and Rules 6 to 8)

To Schedule IV (with amalgamation): No. 349,272 by W. Gossage & Sons, Ltd.



## TRADE NOTES

**LACTAGOL.**—Lactagol, Ltd., Mitcham, Surrey, inform us that Lactagol not subject to purchase tax, and confirmation of this has been received from official quarters.

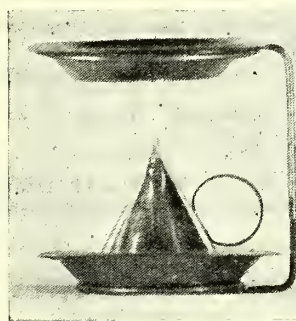
**RED HEART DOG FOOD.**—John Morrell & Co., Ltd., 56-62 South Castle Street, Liverpool, 1, have sent us a sample jar of Red Heart dog food packed in glass container as shown in the accompanying illustration. Messrs. Morrell inform us that the quality of the product is unchanged and, while the demand is greater than the supply, every effort will be made to give chemists who have sold Red Heart in the past their proper share of that which is available.



**NOVUTOX.**—Pharmaceutical Manufacturing Co., Ltd., The Laboratories, Pittville Circus Road, Cheltenham, are calling the attention of chemists to a local anaesthetic of considerable interest and suggest that stocks of this product should be carried in order to meet the emergency requirements of medical practitioners. Known as Novutox, this anaesthetic is described as a self-sterilising solution of ethocaine hydrochloride. It is ready for immediate use without further sterilising and is not subject to the Dangerous Drugs Acts regulations. It is available in bottles, ampoules and cartridges.

**HEATH BROS.**, 10 Chapel Street, Salford, 3, Lancs, ask the indulgence of their friends during the reorganisation of their business.

**INEXPENSIVE VAPORISER.**—Pierrot Manufacturing Co., Romiley, Cheshire, have sent us one of their "All British" vaporisers which can be used for medical purposes in cases of coughs, asthma and similar complaints, or for vaporising disinfectants in air raid shelters. A packet of unipine vaporising powder is supplied with the outfit and chemists can supply other products suitable for specific needs. The heating unit is run on paraffin.



**FOREIGN PROPRIETARIES.**—Wilcox, Jozeau & Co., Ltd., 74-77 White Lion Street, London, N.1, announce that Nativelle's digitaline tablets are now available but are supplied only in one form, strength and size. Many proprietaries formerly imported into this country are now manufactured by Messrs. Wilcox, Jozeau & Co., including the following: Alepsal, Bejean Specific, Bi-citrol, Fraisse's ampoules and drops, Gelineau dragées, Lysanthine, Neurinase tablets and solution, Prunagar, Soporigene tablets, Terpofoir solution and capsules, Tricalcine tablets.

## Business Changes

**A. J. RIPPIN, LTD.**, drug merchants, have removed to "Three Trees," 9 Woodcote Hurst, Epsom, Surrey.

**PASSMORE & THORNS**, analytical and consulting chemists, have removed to 31 Queen Street, London, E.C.4.

**MARSHALL, LECONTE & CO., LTD.**, perfumers' sundriesmen, announce that their address is 32 Lynton Crescent, Ilford, Essex.

**C. NESTLÉ & CO., LTD.**, manufacturers of Alura, Nestol, and Colorinse hair-beauty outfit, have removed to Branscombe, Devon.

**GOUGH, KIDSTON & CO.**, chemical merchants, have removed to 1 Bermondsey Square, Tower Bridge Road, London, S.E.1.

**W. H. HOBBS & CO., LTD.**, essential oil merchants, have removed to 41 Trinity Square, London, E.C.3. Telephone: Royal 1046.

**GEE LAWSON TRADING CO., LTD.**, general merchants, have removed to Brown Cottage, Lyndale, N.W.2. Telephone: Hampstead 0566.

**D. MAWDSLEY & CO.**, druggists' sundriesmen, Manchester, announce that their office address is now Clyde Road, West Didsbury, Manchester.

**THE INTERNATIONAL BOTTLE CO., LTD.**, have removed to Spencer Cottage, Treville Street, Roehampton, London, S.W.15. Telephone: Putney 7956.

**BIDDLE, SAWYER & CO., LTD.**, Empire House, London, E.C.1, advise us that telephone communications should be made to Perivale 4911.

The new addresses of **W. SUTTON & CO.**, druggists' sundriesmen, are Horseshoe Lane, Chase, Enfield, Middlesex, and Bell Street, Whitechurch, Hampshire.

**THE UNITED COMMERCIAL TRAVELLERS' ASSOCIATION OF GREAT BRITAIN** has removed to The Clint, Eastcliff Road, Dawlish, Devon. Telephone: Dawlish 2297.

**COUNTY OF MIDDLESEX PHARMACEUTICAL COMMITTEE.**—A telephone has been installed at the offices, 4 Bloomsbury Square, London, W.C.1. The number is Holborn 5512.

**MR. ALFRED PAUL WHITE**, manufacturer's agent, informs us that all correspondence should be addressed to him at 7 Campion Road, Putney, London, S.W.15. Telephone: Putney 1277.

**NEWBERRY & PHILLIPS, LTD.**, distributors of Cuticura, Tangee, and Anzora specialities, announce that their address is now Victoria House, Vernon Place, Southampton Row, London, W.C.1.

**THE NATIONAL AMALGAMATED UNION OF SHOP ASSISTANTS, WAREHOUSEMEN AND CLERKS** has removed to Chillingham Court, near Bracknell, Berkshire. Telephone: Winkfield Row 64.

## PERSONALITIES

**MR. G. A. BLAKE**, representative of Optrex, Ltd., in Kent, the West of England and South Wales, is now serving in the Royal Air Force.

**MR. HAROLD BARTON, M.P.S.**, who, until a recent breakdown in health, was chief pharmacist for twenty-six years at the Royal Hospital, Chesterfield, is now recuperating at Blackpool.

**MRS. G. H. LAWRENCE**, widow of Mr. G. H. Lawrence (G. H. Lawrence, Ltd., safety razor manufacturers, Sheffield) has taken over the positions of chairman and managing director of the company.

**CAPTAIN R. J. TWEEDY**, late 19th Lancers, Indian Army, who has represented R. J. Reuter Co., Ltd., in the West End of London for several years, is sailing this week to rejoin the Indian Army.

**MR. GEORGE E. PEARSON** retired from the positions of governing director and chairman of The Wellcome Foundation, Ltd., on December 31, 1940. During his forty-five years' association with Burroughs Wellcome & Co., Mr. Pearson occupied the positions of travelling representative in the West End of London (subsequently visiting South Africa, Australia, the United States and Canada to establish the present subsidiary companies in those countries), of departmental head, general manager and managing director. When The Wellcome Foundation, Ltd., was established in 1924, Mr. Pearson was appointed deputy governing-director and on the death of Sir Henry Wellcome in 1936 became its governing director and chairman.

## MARRIAGES

Notices for this column must be authenticated

**ALEXANDER—LINDSAY.**—At Balruddery, Culzean Road, Maybole, on December 31, 1940, by Rev. Francis Johnstone, Russell Alexander, 39 Loaning, Maybole, to Florence, only daughter of Mr. J. Martin W. Lindsay, M.P.S., 64 High Street, Maybole.

**BURR—EWIN.**—At the Parish Church, Lenton, on December 26, George Edwin Ford Burr, M.P.S., second son of Mr. Percy W. Burr (The British Drug Houses, Ltd.), Lyndhurst, Harlaxton Drive, Nottingham, to Gwendolen Helen Mary Ewin, M.P.S.

## DEATHS

**BEACOCK.**—At his home, Micklefield Lane, Rawdon, Leeds, on January 2, Mr. Joseph Henry Beacock, chemist and druggist. Mr. Beacock, who qualified in 1877, was from that time onwards in business at Upperhead Row, Leeds, until 1930, when he retired. He was a past-president of the Leeds Chemists' Association and had been made an honorary life member of the Council of the Leeds branch of the Pharmaceutical Society. He was a lover of Dickens and was always ready to render some passage from one of his favourite books at social functions. Until his retirement he had also taken an active part in the affairs of the Leeds Chamber of Trade on whose council he had served. Members of the branch sent a wreath to the funeral. This took place on January 6, and among those attending were Messrs. T. Shooter, H. Hodgson and J. F. Usher.

**DOTT.**—At Musselburgh, on January 5, Mr. David Brown Dott, Ph.C., aged eighty-eight.

**EBERLIN.**—On December 26, Mr. Albert Eberlin, M.P.S., director of Waterall & Eberlin, chemists, Chapel Bar, Nottingham, aged seventy-seven. Mr. Eberlin, after an apprenticeship in Sheffield, became an assistant to the late Mr. Waterall and subsequently a partner in the business, and its proprietor on the latter's death. Mr. Eberlin always took an active interest in the social and political life of Nottingham. Following cremation at Wilford Hill, on December 30, a memorial service was held at High Pavement Chapel later in the day. Among those who attended were Messrs. F. W. Shepherd, C. E. Reynolds, E. C. Carr, S. H. Plattin, W. J. O. Clay, A. E. Beilby, E. H. Turton, W. J. Meakin, K. Ross Sergeant, W. E. Newbold.

**Low.**—Recently, Mr. David Low, M.P.S., Market Square, Winslow, Bucks. Mr. Low passed the Minor examination in 1901.

**WILLIAMS.**—Recently, Mr. John Williams, Ph.C., Bridge Street, Corwen, North Wales, aged sixty-seven.





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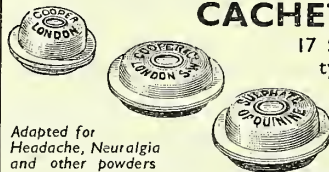


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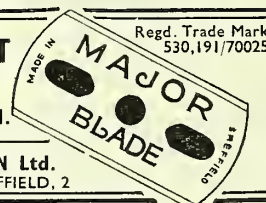
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## INFORMATION DEPARTMENT

### INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:—

E/31 Kilpatrick's worm medicine for dogs.  
E/31 Prozall Amosal Sols.

K/41 Ilon Salve (present address)  
W/31 Lunt's Movil



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*Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire*

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January 11, 1941

NO. 3179

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## Planning for the Post-War Era

In his New Year message (*C. & D.*, January 4, p. 4) Mr. T. B. Layton, F.S.O., M.S., master of the Worshipful Society of Apothecaries of London, mentioned that it is with the pharmacist that doctors must daily work in closest harmonious touch. It is for the seniors of the day to think of the future, so that when the war is over doctors and pharmacists may be ready to adapt themselves to the great changes that must come in the practice of both professions. He further pointed out that there are those who would sweep all doctors into State service; they do the pharmacist will come to. The extension of National Health Insurance will bring all branches of practising doctors into it, and its application to the wives, children and the other dependants of the worker will greatly increase the work under the State that is already done. Elsewhere in this issue are particulars of a medical planning commission which is to give serious consideration to the problem of reconstruction and reorganisation in the field of medicine in the post-war era. At present the members of the Commission are medical men but it has power to co-opt additional members if necessary, to secure presentation of a particular class of experience not otherwise presented.

Pharmacy commenced planning for the future so far back as 1937 and since 1939 there has been no report of progress. In May of that year the Committee of Inquiry set up by the Council of the Pharmaceutical Society issued Part I of its report in which an attempt was made to describe the past and present position of pharmaceutical practice in such a manner as to give, so far as possible, a balanced picture of the position. At a recent meeting of the Council of the Society Mr. Shaw proposed "that the Council consider its policy and particularly its long-range policy." This motion was passed and referred to the Organisation Committee for a report. It is to be hoped that the resolution will not be allowed to sink into oblivion, for the present Council has not only great opportunities but great responsibility regarding the future of pharmacy. Every possible effort must be made to appreciate the trends of medicine and pharmacy and also to keep a keen look-out for the changes in national life in regard to the relief of the sick and promoting the health of the people. In assessing these matters the Council may have to discard preconceived ideas and above all adopt a bolder policy than has been the case hitherto.

The Society will shortly celebrate its centenary. Membership under the Charter of 1843 was voluntary. There was no commercial disability attaching to non-membership and no statutory responsibilities were imposed on members. The Act of 1852 by restricting titles gave a value to registration. The Act of 1868 extended the responsibilities of the registered pharmacist by entrusting to him the distribution of poisons. The Poisons and Pharmacy Act, 1908, carried the matter a stage further by requiring a pharmacist to be in charge in every premises where the business of a chemist and druggist was carried on. The principle was again extended by provisions in the Pharmacy and Poisons Act, 1933. Can it be said that the progressive development in the various

Acts has raised the status of pharmacy in comparison with other professional organisations? The answer is, in parliamentary language, "in the negative," and the fundamental reason would seem to be the absence of any well-considered policy by those whose prime responsibility it should be. If the Committee of Inquiry cannot soon produce definitive proposals, then reconstruction committees should be set up under an executive able swiftly to co-ordinate all decisions. Members of the Society must then insist that appropriate action be taken by the Council. The future concerns the younger men, who, while willing to profit by the experience of their predecessors, must refuse to have their ideas suppressed because their proposals may be revolutionary. The nation has come to appreciate in recent months the value of younger men and their ideas, and the lesson can well be applied to pharmacy.

## Replacement or Reimbursement

When the Government's War Damage Bill comes before the House of Commons one amendment is likely to be proposed that may have an important bearing upon the measure. On January 6 a group of property-owning interests met and considered what attitude they should take towards the Bill, and it is understood that one suggestion made was that the Bill should be confined in principle to restoring damaged properties, and not to repayments of the cash value of any damage done. At first glance the two might appear to be identical, but it is easily possible for them to be, in practice, widely different from one another. If the materials for replacement are at hand, then it is important that they should be used, and used without delay, whatever their current market value may be. The normal usefulness of the property is thus restored and its value to the productive life of the community becomes cumulative. The cost at some date in the past may have been less, but to pay that less amount may leave the property-owner with a sum of money and no prospect of replacing the building. The value at a subsequent date no man can predict, so that to award an arbitrary amount has again the effect of leaving the owner in doubt whether, when the money is at last forthcoming, he will be able to afford the repairs or replacement. This is an instance when the immediate monetary cost to the taxpayer may be at variance with the ultimate productive capacity and wealth of the country, and we hope the concrete principle of replacement will be preferred by the Government to the abstract principle of reimbursement.

## NEW BOOKS

Buchler, W.—*Money in Exports*. 7½ in. by 5 in. Pp. 221. 10s. 6d. Useful Publications, 524 Mansion House Chambers, London, E.C.4. [Into this small volume has been incorporated a wealth of information on a wide variety of subjects connected with export markets. The author has succeeded in drawing a clear picture of business conditions in many countries so that the exporter will be able to avoid pitfalls and develop his overseas business in the most efficient way. While a number of the countries described in the book cannot, under present circumstances, carry on normal trade, a knowledge of their requirements is none the less useful.]

Britton, H. T. S.—*Chemistry, Life and Civilisation*. Second Edition. 8½ in. × 5½ in. Pp. 266. 5s. Chapman & Hall, Ltd., 11 Henrietta Street, London, W.C.2. [This is a cheaper edition of a work which gives a popular account of the importance of chemistry in modern civilisation. The author describes in a fascinating style the part which chemistry has played in the development not only of industrial processes but in nutrition, health, modern means of housing, transport, entertainment, etc. An explanation of the elementary principles of chemistry given in the first few chapters should make the book intelligible to those without previous knowledge of the subject who wish to learn about the world and things around them. Those who are about to embark upon the study of chemistry will find that the book contains much to stimulate their interest in the subject. In a supplement covering sixteen pages the author has included notes on, among other things, recent advances on vitamins, chemotherapeutic drugs, synthetic rubber and artificial wool.]

Crumpler, T. B., and Yeo, J. H.—*Chemical Computations and Errors*. 9½ in. × 6 in. Pp. 247. 18s. John Wiley & Sons, New York; Chapman & Hall, Ltd., 11 Henrietta Street, London, W.C.2. [The primary purpose of this volume is to furnish students specialising in chemistry with a textbook for a course on chemical computations and errors or with a supplementary work in any of the several courses in a regular chemical curriculum. Students who use the book to correlate material covered in their courses in mathematics, chemistry and physics will find the numerous examples which are worked out of considerable practical assistance, and those who need to refresh their knowledge of logarithms, exponential numbers, slide rule and rules for computation, etc., will find these matters dealt with in the earlier chapters. Measurement of errors has been presented from the viewpoint of the chemist rather than that of the statistical mathematician. Among the other subjects treated in the volume are interpolation and extrapolation; theory and classification and errors; curve fitting, etc.]



## MEDICAL ABSTRACTS

**Benzedrine in Morphine Addiction.**—H. C. Duckworth ("British Medical Journal," November 9, p. 628,) records his experience that the convalescent stage immediately following the complete withdrawal of morphine from an addict is often the stage at which the seeds of relapses are sown. Administration of benzedrine during early convalescence was found invaluable in combating the physical and mental inertia common during recovery from drug addiction. The author's reasons for trying out this drug were his conclusion that once a patient had been cut off from morphine there would be precipitated an "allergic response" owing to disturbance of the vago-sympathetic balance, while it had been suggested that morphine addiction was an example of allergy. As stimulation of the sympathetic and central nervous systems was desirable in order to restore the already disturbed vago-sympathetic balance, benzedrine was to be preferred to adrenaline. In a case reported on, a remarkable feature was the complete absence of physical and mental inertia. There was no inclination for the patient to fall back on alcohol as a stimulant, and the benzedrine did not produce insomnia or cause loss of appetite.

**Treatment of Pruritus.**—The treatment of this disorder is dealt with by Furniss in a communication to the "Prescriber" (October, 1940, p. 220). The author describes the affection as a true sensory neurosis due to some functional disorder of the related nerves, independently of any source of irritation on the surface. The general treatment includes careful regulation of the patient's diet, excluding or reducing alcohol, tea, coffee and meat, and avoiding all highly seasoned, salted or preserved food. White meats, green vegetables and light milk puddings should form the bill of fare, and nothing should be drunk except mineral waters. The author recommends effervescent magnesium sulphate for regulating the bowels. Hot alkaline baths consisting of bicarbonate of soda, 2 to 10 oz. in 30 gall. of water; potassium carbonate, 2 to 6 oz. in the same quantity of water; or borax, 3 oz. in the same amount of water, may be used. Bran baths consisting of bran, 2 to 6 lb., potato starch, 1 lb., or linseed, 1 lb., in 30 gall. of water are sometimes used. An excellent bath is made by adding 4 oz. of colloidal sulphur to 20 gall. of water. The baths should be taken warm, and the skin may afterwards be rubbed with a lather of medicated soap or smeared with a soothing ointment. Among useful lotions mentioned by the author are the following:—

I		II	
Sodii bitor.	.. .. 3ij.	Potassii carb.	.. .. 3ij.
Glycerin.	.. .. 3ss.	Aq.	.. .. 3viii.
Aq.	.. .. Oij.		
III		IV	
Sodii bicarb.	.. .. 3j. or 5ij.	Liq. plumbi subacet. dil.	3iss.
Glycerin.	.. .. 3iss.	Aq. dest.	.. .. 5vj.
Aq. sambuci.	.. .. 3vj.	Eucerin. anhydr.	ad 3ij.
V			
Liq. adrenalin. hydrochlor.	.. .. (1 : 1000) mxl.		
Eucerin. anhydr.	.. ..		
Aq. dest.	.. ..		āā 3j.

In local treatment, any sources of irritation should be discovered and removed. In all cases of pruritus ani, after cleaning the rugose folds of skin around the anus, one of the following should be applied: either (a) calamine lotion made with one drachm of ichthyol to the oz. and 25 per cent. witch hazel solution, or (b) percainal ointment (Ciba), or (c) phenolein ointment. In severe cases infiltration superficially and deeply around the anus with 2 to 5 c.c. of proctocaine will usually succeed. Other remedies include painting the part two or three times a week with silver nitrate and injection of amino-benzoic acid.

**Vitamin B<sub>6</sub> in Human Nutrition.**—American workers described in 1939 a syndrome in a small number of cases characterised by extreme nervousness, insomnia, irritability, abdominal pain, weakness and difficulty in walking, which disappeared dramatically following the intravenous administration of 50 mgm. of synthetic vitamin B<sub>6</sub> (pyridoxin). Recently Spies and others have made further studies of vitamin B<sub>6</sub> deficiencies in human beings, paying special attention to the urinary excretion of the substance ("Journal of the American Medical Association," 1940, II, 839). They have shown that within one hour following the intravenous injection of 50 mgm. of pyridoxin the average urinary excretion of this material was 7.9 per cent. in normal persons and 8.6 per cent. in pellagrins who at the time they were studied did not have active vitamin deficiency. Nine ambulatory patients with clinical evidence of either pellagra, beriberi or riboflavin deficiency excreted an average of 0.5 per cent. of the 50 mgm. of pyridoxin injected, with a range of from 1.5 to 0.0 per cent. The four patients in this group suspected of having a vitamin B<sub>6</sub> deficiency showed the lowest excretion of any studied, averaging only 0.2 per cent. Three patients with clinical deficiency disease who were hospitalised and restricted to a diet deficient in vitamin B<sub>6</sub> excreted almost none of the injected pyridoxin. This observation indicates that absorption of vitamin B<sub>6</sub> is partly dependent on the diet. The results show that vitamin B<sub>6</sub> is important in human nutrition and give strong support to the hypothesis that clinical deficiency diseases occur not as single entities but as complexities.

**Sulphathiazole in Pneumonia.**—Preliminary trials with sulphathiazole or 2 (*p*-aminobenzenesulphonamido) thiazole (M. & B. 760) in ten cases of pneumococcal lobar pneumonia have been carried out by Gaisford and Whitelaw, who record their observations in the "Lancet," October 12, p. 451. Alternate adult hospital patients who were used as controls were given sulphapyridine. A method of investigation similar to that employed for the authors' study of sulphapyridine was adopted, namely, strict clinical criteria of diagnosis, x-ray examination, sputum typing and daily blood-counts. In addition full biochemical examinations were carried out. The dosage of sulphathiazole used was similar to that with sulphapyridine—namely, 2 gm. (four tablets) on admission and repeated four-hourly for three doses and then 1 gm. four-hourly for twenty-four to thirty-six hours, as necessary, ending the course with one tablet three times or twice during the final twenty-four hours after the temperature had fallen to normal. The average total dosage was 14.5 gm. From their results the authors conclude that sulphathiazole is of value and acts similarly to sulphapyridine, though producing a less prompt fall in temperature. With this temperature lag there is a correspondingly longer period of acute illness. This renders sulphapyridine the drug of choice in severe cases. They consider that the chief point in favour of sulphathiazole is that it does not cause vomiting. It is possible, they suggest, that a combination of sulphapyridine and sulphathiazole may come to be a valuable routine in the treatment of pneumonia, the first large doses given being sulphapyridine (e.g., the first eight tablets) and the following ones sulphathiazole.

**An Analgesic Tannic-acid Jelly.**—Experiments to produce a tannic-acid jelly incorporating an analgesic and suitable for use in warships are described by J. F. and R. M. Heggie in the "Lancet" (September 28, p. 391). The authors realised that tannic acid precipitates alkaloids in solution but considered that the reaction would be less rapid in a jelly. They therefore prepared a jelly containing 0.5 per cent. of quinine and urea hydrochloride, with 0.1 per cent. of proflavine sulphate. Slow precipitation took place, and chlorbutol 2 per cent. and procaine 2 per cent. were substituted in separate preparations. Chlorbutol gave little relief. Procaine gave relief lasting about an hour and has been used more frequently. The formula for the jelly then became:—

Tannic acid	.. ..	20.0 per cent.
Proflavine sulphate	.. ..	0.1 per cent.
Procaine	.. ..	2.0 per cent.
in glycerin-tragacanth base consisting of		
Powdered tragacanth	.. ..	2.0
Glycerin	.. ..	10.0
Distilled water	.. ..	to 100

The preparation is put up in collapsible tubes or, in hospital, stored in wide-necked well-stoppered bottles. In the majority of infected burns reaching the Edinburgh Royal Infirmary, where the work was carried out, the predominating organism was *Staphylococcus pyogenes aureus*. The jelly was also made up with methyl violet 0.1 per cent. instead of proflavine sulphate.

When the skin was erythematous and blisters had formed, the jelly was smeared over the affected area and well over the margin on to healthy skin. Two thicknesses of gauze were then applied intimately, another two were added, and with a thickness of wool the whole was bandaged and left for about a week. On removal of the dressing the consistence of the jelly had altered according to the amount of evaporation and varied from that of an unguent to peeling flakes. Practically no damage was done to the tissues by removal of the gauze, which came away easily. In areas over which blisters had formed the hygroscopic action of the glycerin had caused the blister fluid to be withdrawn into the dressing; the wrinkled superficial epithelium covered the area. The surrounding skin was slightly dyed. None of the burns became infected. On broken skin the jelly was applied in the same way as on unbroken. Where the blisters had ruptured a good tan-coagulum formed. This was separated at the end of ten to fourteen days, and the skin beneath, though thin, was soundly healed. The gauze incorporated in the coagulum facilitated its removal. None of the burns became infected, but the tanned area, wherever joints were not involved, formed a continuous sheet; consequently there were no cracks. In two cases the burns affected the extensor and flexor aspects of the wrist. In these cases no wool was used over the gauze dressings. The jelly dried fairly quickly, a good coagulum formed, and cracks developed. Owing to the constricting effect of the tan on burns encircling fingers and hands completely, the tannic-acid jelly has not been used on such parts. Instead, the authors recommend the use of a jelly of the following composition:—

Gentian or methyl violet	.. ..	1.0 per cent.
Quinine and urea hydrochloride	.. ..	0.5 per cent.
in glycerin-tragacanth base.		

Apart from the antiseptic and analgesic qualities of the jelly, the hygroscopic action of the glycerin in withdrawing the blister fluid is beneficial in making resorption of this fluid impossible. Bacterial growth is diminished by this action and by increased penetration and concentration of the antiseptic dye.



## THE MARKETS DURING 1940

THE first complete year of the present war will long be remembered by those engaged in commerce and industry as one during which more changes occurred than during any other similar period in the country's long industrial history. At the beginning of the year, industry had become more or less accustomed to wartime conditions, and was accepting in the most commendable spirit the many rules and regulations enacted in the best interests of the community as a whole. About half-way through the year, the tempo of the conflict suddenly quickened, and in the succeeding few months dramatic and far-reaching events completely changed the commercial outlook. For a time it appeared that the situation confronting the country was one of extreme delicacy, but gradually resistance to the enemy stiffened, and the advent of a new year finds Great Britain and the Empire prepared for all eventualities.

One of the outstanding features of modern warfare is the extremely important part played by the industrial resources of the belligerent nations, and in this respect the position of Great Britain is one of considerable and growing strength. At the commencement of the war of 1914-18, the country's chemical industry was comparatively ill-equipped when measured against the vast technical resources of Germany. Since that time, however, the British chemical industry has shown a remarkable degree of expansion, with the result that in 1940 very essential national requirement was adequately met from home sources. Some indication of the present strength of the British chemical industry may be gathered from official figures recently published, which show that in the eleven months ended November 30, 1940, exports of British chemicals, including drugs, dyes and colours, reached the high figure of £26 millions, and showed the largest gain for any group of exported articles over the same period. In the coming year it may be that certain difficulties, which were not present during the earlier part of 1940, may interfere to some extent with the maintenance of such high export figures, and the industry may be called upon to exercise an even greater effort in the national cause. In the field of pharmaceutical chemicals British industry has never been in a stronger position than it is today. During the past year it has produced a wide range of pharmaceutical and medicinal chemicals of the highest quality and at competitive prices. Aspirin, bromides, bismuth salts, iodides, mercurials, hexamine, phenacetin, phenolphthalein and salicylates are among the leading pharmaceutical products supplied by British makers. It can be stated that the general average increase in prices of British makers' pharmaceutical and medicinal products has been negligible compared with the advances in values of imported material during 1914-18. Without question the country has been amply repaid for any additional amounts consumers may have had to pay in the past on account of Key Industry Duties. Dutiable products have mostly been in good supply throughout the year at very reasonable prices.

During the year under review a number of important revisions in the sales values of pharmaceutical chemicals were recorded, and details of these were published in the *C. & D.* as they occurred. Early in April, makers of bismuth salts issued a revised scale of sales prices, and at the end of May values of subgallate and subnitrate were further advanced. The withdrawal of current bromides prices was notified in October, and in the following month a new schedule showing advanced prices was issued. As a result of the acute position of the raw material, makers of ametine hydrochloride decided early in the year to withdraw their prices, and by February a substantial increase had occurred. At the increased figure, however, the sales prices were still below the parity cost of the raw material, and a further advance was notified at the end of May. Towards the end of January an interesting position arose in connexion with the issue, by the Ministry of Supply, of the Control of Mercury (No. 3) Order, 1940, with a revised schedule of maximum sales prices for mercurials and vermillion. From the figures specified by the Department, it appeared that the revised maximum sales prices had been calculated on a metal value considerably lower than the current quotation. Soon afterwards, however, the scale was revised, allowing makers of mercury compounds to obtain prices that better compensated them for substantial increases in costs of production. Three advances were recorded in mercury iodides during the year. At the end of January makers of methylated ethers notified a slight increase in prices, chiefly on account of an advance in spirits; two further advances occurred during the year. As a consequence of higher values of crude iodine, makers of iodides issued, early in January, new scales of prices that took into account the increased cost of the raw material. Makers' scales of prices for aspirin and aspirin tablets remained steady and unchanged throughout the year. British makers' sales prices for citric and tartaric acids and cream of tartar remained nominal, with supplies restricted, and dealers had little to offer. Among products for which price increases were notified by makers during the year were the following: Atropine, homatropine and pilocarpine (June); borax and boric acid (November); citrates (January); codeine (April); potassium permanganate (March); Rochelle salts (February, April and June); Sodium salicylate (May); strychnine salts (April and May); and vanillin (October). Reports indicate that products in the wide range of

British-made photographic chemicals have continued to sell in increasing quantities. Several price changes have been notified for these products during the year, including advances for sodium hyposulphite (April); sodium sulphite (April) and metol (July and November). Benzoic acid and sodium benzoate show increases in value, and supplies are likely to be limited for some time to come. Values of barbitone and sodium barbitone have remained fairly steady, and convention prices for santonin and saccharin continued unchanged throughout the year. It should again be noted that no Government control is exercised on either the wholesale or the retail prices of saccharin.

The past year has been one of exceptional difficulty for dealers in crude drugs, though, from the onlooker's point of view, it has been one of the most interesting in the long history of the London drug markets. Many familiar crude drugs seem to have dropped out of the picture altogether, and others have been available in only limited quantities and at prices far in excess of their pre-war values. The cause of the present difficult position of many crude drugs is twofold; first, elimination of normal sources of supply as a direct result of enemy occupation or control; and secondly, the need for conservation of shipping space from countries still approachable as centres of supply. During the twelve months under review, imports of crude drugs from Norway, Belgium, Holland, France and Italy ceased altogether. Though stocks of many of the products concerned may be held by manufacturers, open-market quotations for them are no longer available. An attempt to meet the situation may be seen in the recommendations of the therapeutic trials committee of the Medical Research Council (*C. & D.*, 1940, II, 186), which deliberated on what drugs, normally imported from abroad, could be regarded as non-essential in war-time, so that economies in prescribing could be effected and cargo space saved. Many familiar crude drugs of commerce were among those deemed non-essential, and though no obligation was placed on the prescriber not to use these drugs, it is probable that the committee's recommendations will have an important influence on the issue of import licences. The ultimate effect of the Committee's recommendations may, indeed, be cessation, for the duration of the war, of imports of the vegetable drugs concerned, and increased use in medical practice of a wide range of newer, synthetic remedies that the British chemical industry finds no difficulty in supplying. The possibility of replacing some of the crude drugs, formerly imported and now in short supply, by cultivation of the plants in this country has been considered, but the process must necessarily be slow and unlikely to affect the situation to any marked extent at present. Several important drugs, such as belladonna, henbane, digitalis, etc., are already cultivated in this country by well-known growers (*C. & D.*, 1940, II, 61 and 69), but their yield is still insufficient to meet all requirements. Cultivation of medicinal plants on a large scale within the British Empire has also been suggested, and this appears to be an attractive proposition on account of the wide variety of climates and soils available. Here again, however, the process must be slow, and unlikely to improve supplies materially for some time to come.

An examination of the prices published week by week in the *C. & D.* Trade Report shows an upward swing during 1940 in the values of many crude drugs. Japanese agar, for example, was quoted in January at about 8s. 3d. to 8s. 6d. per lb. for Kobe No. 1 material. At the close of the year, business was being done in this product at 17s. per lb., with not much available at this high figure. In aloes, the Cape variety remained steady, while Curaçao, which had previously reached a high figure, showed a further increase of only about 10 per cent. The position of antimony has changed considerably during the year, and prices were lower at the close than at the start; demand for the product has been less than was anticipated, and the year closed with the markets in a quiet condition. In January, the spot market for balsam of tolu stood at about 5s. 6d. per lb., and throughout the year increases in value were noted until the present price of about 8s. 3d. per lb. was reached. A similar rise was observed in Canada balsam, which commenced the year at a spot quotation of 4s. 6d. per lb., and reached a figure of approximately 7s. 6d. per lb. by December. No open-market quotations have been available for imported belladonna root and leaves for some time, but in December some Indian root was stated to be available at a fairly reasonable price. Buchu has had a poorish year though values have remained steady throughout. There is not much material in London, and no offers of new-crop have as yet been forthcoming. Japanese camphor was quoted at the opening at about 5s. per lb. for tablets and about 4s. 6d. per lb. for slabs. Demand continued fairly good throughout, values at the close of the year showing an advance of about 1s. per lb. Little interest appears to have been taken in cardamoms, and quotations for all varieties remained steady throughout. While the value of cascara sagrada at the close showed an increase over the opening figures, the upward tendency has not been pronounced. As a result of the German invasion of Norway early in the year, supplies of Norwegian cod liver oil were cut off from the British market. For many years, this had accounted for a large consumption of this important



product. As a measure of compensation for the serious loss of this valuable natural source of vitamins A and D, steps were taken to permit the introduction of a vitaminised oil, and this new preparation became official in the Second Addendum to the B.P. on June 14. The most spectacular price movement of the year under review was undoubtedly the remarkable decline in values of Spanish-Portuguese ergot. At the opening, this drug was quoted for shipment at the high price of 22s. 6d. per lb., c.i.f., with a little on spot at about the same figure. These high prices continued for some months until July, when shipment values fell sharply, reaching by August the low level of 7s. 3d. per lb., c.i.f. A rather firmer tendency became evident later, and by the end of the year about 7s. 6d. per lb., c.i.f., was being quoted, with spot at about 8s. 6d. to 8s. 9d. per lb., or about one-third of the opening value. Towards the end of the year, rapidly advancing prices were noted for West African ginger, the closing price of 75s. per cwt. being more than double the January quotation. Values of other varieties of this product have also increased considerably. The market for Sudan gum acacia has not been particularly active, and values have remained fairly steady throughout; shipment prices at the close were considerably lower than those given for January. An Order fixing the maximum prices importers may pay for honey came into force on October 7. Under this Order, imports of honey are controlled on a quota system, the object being to maintain an economic price at the point of importation, and, by this means, to protect the consumer in this country. Business in Matto Grosso ipecacuanha has been fairly steady throughout, and spot prices have not varied to any marked extent. An official announcement, made in July, that the B.P. standard for alkaloidal content of ipecacuanha root was to be amended, resulted in an increased demand for the higher-testing parcels of the Minas variety which, under the amended monograph, became admitted to official recognition. The opening and closing London prices of the year for Japanese menthol are about level, and the margin of fluctuation has been small throughout. The Chinese product has increased in value from about 16s. per lb. in January to about 20s. per lb. in December. There is no appreciable difference in the opening and closing prices of rhubarb, good-quality rough-round gaining in value by about 1s. per lb. Quoted values of senega remained stable throughout the year. High prices have been maintained for all grades of tragacanth, but business has been fairly quiet. At the close of the year a scarcity of the finer grades resulted in a rise in values of other qualities. Carnauba wax is quoted substantially dearer on the year.

In normal circumstances dealers in essential oils are almost entirely dependent on overseas sources of supply. During the past year, importers of these products have found themselves deprived of one source after another, e.g. Holland (caraway and nutmeg oils), France (perfumery essential oils) and Italy (citrus oils). Most of the essential

oils sold in this country are used in perfumery, in flavouring or in manufacture of medicinal preparations. The present position, as it affects the pharmacist, is fairly satisfactory when it is recognised that a large proportion of the essential oils used by him are obtained from places outside enemy or enemy-occupied territory. The perfumer, however, is less fortunate, since a number of essential oils entering into the composition of his products are no longer available. Alternative sources of supply can be found for some oils, and for others a wide range of British-made substitutes is now available. Cananga, cajuput, citronella, patchouli, vetivert and a secondary ylang are produced in the Dutch East Indies, so that a continuation of supplies of these oils may be expected. Patchouli and citronella are also obtainable from Empire sources; and a good grade of ylang is produced in Manila. Lemon and orange are available from the United States, while Tanganyika is stated to be largely replacing Italy as a supplier of bitter-orange oil. The position of geranium and lavender oils appears to be somewhat more difficult, as the quantity produced outside French colonial territory is so far negligible, when compared with the total consumption.

Prices of most essential oils have been well maintained throughout the year, and in some instances values have reached considerably higher levels. For example, star anise oil, which at the opening was quoted on spot at about 4s. 6d. per lb., reached 6s. 3d. per lb. at the close. Spot values of bay increased only slightly, but cassia showed a substantial advance. Spot prices of both Ceylon and Java citronella oil have remained fairly stable. Fluctuations in the values of Australian eucalyptus throughout the year have been negligible. Following the entry of Italy into the war, supplies of bergamot and Sicilian lemon oils were cut off, and values became a matter for negotiation between spot holders and buyers. The absence of imports from Italian sources of both these citrus oils has undoubtedly stimulated production of artificial substitutes, particularly in the case of bergamot, which enters into the composition of a large number of perfumery products. While it is difficult exactly to match the characteristic smoothness and sweetness of this oil, it must be admitted that some remarkably good "copies" have been achieved by British manufacturers. With minor adjustments to working formulas to incorporate the artificial product, there appears to be no reason why the loss of supplies of the natural oil should cause any concern. Spot and forward prices of lemongrass tended to decline during the first part of the year, but later the position showed some firmness, and by December values were level with those recorded for January. Both French Guinea and Californian orange oils showed increases on the year. As might be expected in view of the long sea journey and present difficulties of transport, values of Japanese peppermint oil have shown a steady increase throughout the year. The Chinese product has also appreciated in value during this period.

## COMMERCIAL NOTES

**U.S.A. Creosote Oil Imports.**—The following table shows imports of creosote oil for the first six months of 1940:—

Country of Shipment	Gall.	Value (\$)
Belgium .. .. .	16,452	1,659
United Kingdom .. .. .	16,027,500	1,603,954
Japan .. .. .	2,505,550	211,646
Canada .. .. .	201,862	25,415
Kwantung .. .. .	367,500	32,483

**Chemical Imports into Burma.**—Imports of chemicals into Burma during the twelve months ended March 31 were valued at Rupees 2,918,000, compared with a value of Rs. 2,216,000 in the previous twelve months. Imports of drugs and medicines totalled Rs. 2,319,000 and Rs. 2,216,000 in the two years.

**Exports of Carnauba Wax from Brazil.**—The following table shows exports of carnauba wax from Brazil during the three years 1937-39:—

Country of Destination	1937 Kilos	1938 Kilos	1939 Kilos
United States .. .. .	6,129,382	5,930,985	7,430,181
United Kingdom .. .. .	1,550,854	1,994,168	1,668,971
France .. .. .	459,503	452,251	281,951
Germany .. .. .	337,146	248,242	127,823
Belgium and Luxemburg .. .. .	110,190	46,222	41,847
Italy .. .. .	82,038	77,171	22,894
Japan .. .. .	45,619	15,304	81,709
Canada .. .. .	44,814	30,394	44,875
Union of South Africa .. .. .	44,250	58,189	37,967
Other countries .. .. .	138,042	304,767	262,754
Total .. .. .	8,941,838	9,157,753	10,000,972

**Turkish Foreign Trade.**—During the first nine months of 1940, imports into Turkey included drugs and chemicals to the value of £T881, compared with £T1,248 in the corresponding period of 1939. Export figures during the same period included beeswax (£T415 and £T256); olive oil (£T5,675 and £T1,144); opium (£T3,112 and £T1,426); mercury and salts (£T22 and £T27); and liquorice (£T482 and £T786).

**British North Borneo Imports.**—During the first six months of 1940 imports of medicines into British North Borneo were valued at \$125,198 against \$88,209 in the corresponding period of the previous year.

**Bulgarian Rose Oil.**—Production of Bulgarian rose oil during the 1940 season is estimated to have amounted to 1,600 kilos, against 3,600 kilos during the previous season. Unfavourable weather conditions delayed production, and distillation took place in June.

**U.S.A. Nicotine Sulphate Exports.**—Exports of nicotine sulphate from the United States (in lb.) during the past five years are shown in the following table:—

Country of Destination	1935	1936	1937	1938	1939
Belgium .. .. .	—	4,250	—	—	—
France .. .. .	—	656	11,000	—	—
Germany .. .. .	—	24,243	—	20,440	—
Norway .. .. .	10,851	15,090	10,090	11,328	10,000
United Kingdom .. .. .	7,000	1,888	—	2,000	—
Canada .. .. .	22,887	34,114	56,270	108,303	109,772
Mexico .. .. .	8,493	6,514	10,589	9,567	8,061
Cuba .. .. .	5,958	5,516	1,200	9,702	3,146
Argentina .. .. .	9,195	9,410	14,525	11,500	15,500
Brazil .. .. .	3,902	4,910	5,068	—	—
Peru .. .. .	705	—	200	500	4,105
Uruguay .. .. .	—	1,000	1,450	—	1,000
China .. .. .	10	15,000	190	—	12
Japan .. .. .	186,580	261,746	255,657	201,923	233,398
Australia .. .. .	53,295	88,453	94,836	90,631	68,676
New Zealand .. .. .	21,707	24,936	39,567	29,877	33,150
Egypt .. .. .	17,221	38,143	—	—	—
Union of South Africa .. .. .	4,837	2,672	1,934	1,681	5,432
Other countries .. .. .	16,476	2,487	3,863	3,564	8,570
Total .. .. .	369,117	541,028	517,439	501,016	500,822
Value .. .. .	\$173,802	\$272,440	\$317,317	\$303,518	\$302,629

**Honduras Import Restrictions.**—An Order has been issued restricting the importation into British Honduras of numerous articles including aerated and mineral waters, natural and artificial; chemicals, chemical preparations and substances; raw and boiled linseed oils; perfumed oils; perfumed and toilet preparations; soap; spices; spirits; cameras.



# TRADE REPORT

Not quotations recorded for pharmaceutical chemicals, crude drugs, essential oils, etc., represent the prices for wholesale quantities of standard quality. C.i.f. shipment quotations do not include marine war risk insurance and other abnormal charges which arise in the present emergency

28 Essex Street, W.C.2., January 8

CONDITIONS in most markets during the past week have been rather quieter, but the general tone is steady. Business is largely confined to orders for modest quantities. In the PHARMACEUTICAL CHEMICALS markets there is little to comment upon. The amount of business passing has been moderately good, and prices are fully steady for all products. CAFFEINE and THEOBROMINE continue firm, with supplies limited. Makers of STRYCHNINE SALTS recently notified advances in prices, which are as first given in last week's issue. ALPHONAL is reported to be in limited supply, and prices are firm.

## Crude Drugs

A moderate volume of business continues in these products, and values are fully maintained, with some prices moving up. A fair inquiry is noted for CASCARA. Business in CURAÇAO ALOES continues along routine lines, but supplies are rather limited on spot. ANTIMONY continues to be quoted at the lower values recently recorded. Spot supplies of BUCHU continue limited, and the market is firm. Rather more spot inquiry is noted for CASCARA SAGRADA, but stocks are reported to be low. COCHINEAL is steady on a quiet market. There is not much business moving in ERGOT; spot is quoted a fraction dearer, but shipment is unchanged. French GENTIAN ROOT is no longer available, and supplies of Spanish are reported to be exhausted. The upward tendency in the price of GINGER has continued. Spot values of Sudan GUM ACACIA are dearer. HYDRASTIS is quoted at a slightly reduced rate. A small spot business is passing in MATTO GROSSO IPECACUANHA, and values are fully maintained; Minas is again firmer. Prices of MENTHOL are firm. The London spot quotation for MERCURY is unaltered. PIMENTO is quoted dearer on spot. HUBARB continues in good demand, but there appears to be little left on spot. SENEGA is firm and dearer on spot. TRAGACANTH is quiet, but quoted spot values are dearer owing to scarcity of the finer grades of gum. BEESWAX is quoted dearer on spot.

## Essential Oils

A limited trade in these products is reported, with values steady. English pressed ALMOND remains at the advanced prices recorded recently; French ter is unchanged. Increased spot values are noted for ANISE (STAR). BAY is fully steady as quoted. BOIS DE ROSE tends dearer on spot. Firm prices are noted for CASSIA, spot values showing a considerable advance over last week's figures. Prices of Ceylon CITRONELLA are inclined to be dearer, but interest in this product has been small. CLOVE is in fair demand, and values are fully maintained. Firm conditions are noted for LEMONGRASS, and shipment prices show an advance. Chinese PEPPERMINT has been in good demand, but spot stocks now appear to be limited.

## Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Wednesday morning:—

Centre	Quoted	Par	January 1	January 8
Belgian Congo ..	Francs to £	nominal	176½*	176½*
Buenos Aires ..	Paper pesos to £	—	17·02*	17·02*
Batavia ..	Florins to £	12·107	7·60*	7·60*
Lisbon ..	Escudos to £	110	100·0*	100·0*
Madrid ..	Pesetas to £	25·24½	40·50 official 46·55 voluntary	40·50 official 46·55 voluntary
Montreal ..	Dollars to £	4·86½	4·45*	4·45*
New York ..	Dollars to £	nominal	4·03*	4·03*
Shanghai ..	Per dollar	3½d.	3½d.	3½d.
Stockholm ..	Kronor to £	18·150	16·90*	16·90*
Tokyo ..	Per yen	25.	18·2½d.	18·2½d.
Vienna ..	Francs to £	22·2115	17·35*	17·35*

\* Rate fixed by Bank of England. Bank rate, 2 per cent.

## Pharmaceutical Chemicals, etc.

CONDITIONS show little change. Business is proceeding quietly, with values steady. Strychnine salts are at the advance given in these columns last week.

ACETANILIDE.—In quiet demand; price steady. Spot, B.P.C. crystals and powder, quoted at from 2s. 4d. to 2s. 6d. per lb., according to quantity.

AMIDOPYRINE.—Dealers find business quiet. Crystals, one-cwt. lots, 27s. per lb.; smaller lots, up to 30s. per lb.; powder, 3d. per lb. extra.

ASPIRIN.—Makers' scales of prices continue steady:—

Quantity	In containers of					
	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
1 lb. and under 4 lb. ..	s. d. 3 10½	s. d. 3 9	s. d. 3 7½	s. d. 3 7½	s. d. 3 7½	s. d. 3 7½
4 lb. and under 7 lb. ..	3 9½	3 8	3 7½	3 7½	3 7½	3 7½
7 lb. and under 14 lb. ..	3 8½	3 7	3 6½	3 6½	3 6½	3 6½
14 lb. and under 28 lb. ..	3 7½	3 6	3 5½	3 5½	3 5	3 5
28 lb. and under 1 cwt. ..	3 6½	3 5	3 4½	3 4½	3 4	3 4
Not less than 1 cwt. ..	2 11½	2 10	2 9½	2 9½	2 9	2 9
Not less than 5 cwt. ..	2 11	2 9½	2 8½	2 8½	2 8½	2 8
Not less than 10 cwt. ..	2 10	2 8½	2 8	2 7½	2 7½	2 7

\* 8 × 14 lb. and upwards in one delivery, ½d. per lb. less.

Sale is subject to an undertaking on part of buyer not to re-sell any quantity at prices or terms below scale for such quantity current at time re-sale is made, and, if aspirin is converted into tablets, not to sell any number at prices or terms below scale current at time of sale.

ATROPINE.—No revision in makers' prices: ALKALOID, 21s. per oz.; 4 oz. 20s. 6d., and 25 oz., 20s. per oz. SULPHATE, 16s. 6d. per oz.; 4 oz., 16s., and 25 oz., 15s. 6d. per oz. Bottles, under 5 gm. or ½ oz., corked, 3d.; stoppered, 5d.; 5 gm. to 25 gm. or ½ oz. to 1 oz., corked, 3½d.; stoppered, 6d.; 25 gm. or 1 oz., corked, 3½d.; stoppered, 7½d.; 50 gm. or 2 oz., corked, 4d.; stoppered, 9d. each; 100 gm. and over, included in price; tubes, per 100, 5-gr., 10s. 6d.; 10-gr., 12s. 3d.; 15-gr., 14s.

BARBITONE.—Steady at former values. One cwt., 22s. per lb.; 28 lb., 23s.; smaller quantities, 26s. per lb.

BISMUTH SALTS.—Steady at makers' former quotations:—

	Under 4 lb.	4 lb. and under 8 lb.	8 lb. and under 28 lb.	28 lb. and under 1 cwt.	Not less than 1 cwt.
Carbonate ..	s. d. 11 3	s. d. 10 9	s. d. 10 0	s. d. 8 7	s. d. 8 4
Citrate ..	13 4	12 10	12 1	10 4	10 1
Nitrate, cryst. ..	7 7	7 1	6 4	5 7	5 4
Oxide ..	15 4	14 10	14 1	12 0	11 9
Salicylate ..	11 9	11 3	10 6	9 0	8 9
Subchloride ..	14 11	14 5	13 8	11 8	11 5
Subgallate ..	11 11	11 5	10 8	9 2	8 11
Subnitrate ..	9 11	9 5	8 8	7 6	7 3

Rebate of three pence per lb. allowed off 1-cwt. prices on sales of not less than 2 cwt., or against contracts of not less than 2 cwt., provided whole of contract quantity is ordered within three months. Prices net. Payments in fourteen days. For quantities of 28 lb. and upwards, in the home trade, an extra charge of three pence per lb. is made for 1-lb. cartons and 1-lb. parcels, even when repacking into 1-lb. cartons or 1-lb. parcels is effected by the purchaser. Smaller quantities than 28 lb. are not subject to this extra charge. Under present conditions all prices and sale terms are named without engagement.

BORAX (B.P.).—Makers' prices are unchanged: Granulated, £34; crystals, £35; powder, £35 10s. per ton, in 1-cwt. bags, carriage paid in Great Britain, in minimum one-ton lots. Commercial qualities, £8 per ton less.

BORIC ACID (B.P.).—Makers' prices steady: Granulated, £50 10s.; crystals, £51 10s. per ton, for minimum one-ton lots, in cwt. bags, carriage paid in Great Britain. Commercial qualities, £8 per ton less.

BROMIDES.—Makers' prices are unchanged:—

Potassium	In parcels of					
	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
1 lb. and under 4 lb. ..	s. d. 3 11	s. d. 3 9½	s. d. 3 8½	s. d. 3 8½	s. d. 3 8½	s. d. 3 8½
4 lb. and under 7 lb. ..	3 10	3 8½	3 8½	3 8½	3 8½	3 8½
7 lb. and under 14 lb. ..	3 9	3 7½	3 7½	3 6½	3 6½	3 6½
14 lb. and under 28 lb. ..	3 8	3 6½	3 6½	3 5½	3 5½	3 5½
28 lb. and under 1 cwt. ..	3 7	3 5½	3 5½	3 4½	3 4½	3 4
1 cwt. ..	3 0½	2 11	2 10½	2 10½	2 10	2 9½
5 cwt. ..	2 11½	2 10	2 9½	2 9½	2 9	2 8½

Sodium id. per lb. extra; ammonium, 3d. per lb. extra; packing extra but returnable. Net carriage paid in the U.K., contracts over six months, each delivery against the contract to be charged at schedule rates current on the day of acceptance of each order calling up supplies ex contract or on date of dispatch of goods, whichever is higher. Usual re-sale terms apply.

CALCIUM LACTATE.—Small inquiry has been noted, and quotations are steady. Makers' quotation of 1s. 8d. per lb. for small quantities is unchanged.

CREOSOTE (BEECHWOOD).—Dealers are quoting bulk quantities, in 25-kilo demijohns, at approximately 7s. 6d. per lb.

EMETINE HYDROCHLORIDE.—Makers' prices continue unchanged at between 10s. and 10s. 4d. per oz., according to quantity.

ETHERS (METHYLATED).—Makers' prices are steady and unchanged, as follows:—

Specific Gravity and Grade	Winchester quarts, per lb.	Not less than		Drums, per lb.
		6 w. qts., per lb.	12 w. qts., per lb.	
0·750 ..	s. d. 1 4½	s. d. 1 4	s. d. 1 3½	s. d. 1 2½
0·735 ..	1 5	1 4½	1 4	1 3
0·730 ..	1 5	1 4½	1 4	1 3
0·725 ..	1 7	1 6½	1 6	1 5
0·725, triply rectified ..	1 11½	1 11	1 10½	1 9½
0·720 ..	1 8	1 7½	1 7	1 6
0·717 ..	2 2	2 1½	2 1	2 0
0·720 B.P., not for anaesthesia ..	1 10	1 9½	1 9	1 8

Net prices, usual terms. Special prices for quantities and contracts, subject to rise-and-fall clause. Prices for anæsthetic ethers unchanged.

IODIDES.—Makers' scales of prices are steady: POTASSIUM B.P., not less than 1 cwt., 8s.; 28 lb., 8s. 6d.; 14 lb., 9s. 2d.; 4 lb., 10s. 8d.; smaller quantities, 11s. 2d. per lb. SODIUM B.P., not less than 28 lb., 8s. 10d.; 14 lb., 9s. 4d.; 7 lb., 10s. 9d.; 4 lb., 11s. 5d.; smaller quantities, 12s. 3d. per lb. IODINE, B.P., RESUB., not less than 1 cwt., 9s. 2d.; 28 lb., 9s. 7d.; 14 lb., 10s. 2d.; 7 lb., 11s. 7d.; 4 lb., 12s. 3d.; smaller quantities, 13s. per lb. IODOFORM, B.P. (CRYST., PRECIP. OR POWDER), not less than 28 lb., 11s. 4d.; 14 lb., 11s. 10d.; 7 lb., 13s. 9d.; 4 lb., 14s. 7d.; smaller quantities, 15s. 5d. per lb. Contracts for 1 cwt. and upwards (assorted if desired) for delivery as required during three months, with the following clause: Price applicable to any delivery is that in force on date of dispatch. One-cwt. cases charged extra;



28-lb. tins 2s. each and non-returnable. All bottles charged for but credited in full if received back carriage paid in good condition within three months. Carriage paid on any quantity. Assorted quantities charged for at collective total prices on orders for 14 lb. and upwards. It is a condition of sale that buyers undertake not to re-sell any quantity at prices or terms below scale for such quantity current at time re-sale is made.

**LACTIC ACID.**—Business is moderate and the prices are as follows: One-cwt. carboys, about 1s. 8d. per lb.; winchesters and bottles, about 1s. 9d. to 2s. per lb., ex store, according to quantity.

**METHYL SULPHONAL.**—Quiet; dealers' prices are unchanged at about 40s. to 42s. 6d. per lb., ex store.

**PARALDEHYDE.**—Quantities, in one-cwt. carboys, are quoted at about 11d. to 1s. per lb.

**PHENACETIN.**—Makers' prices are unaltered. Ordinary quantities, about 3s. 9d. to 4s. per lb., without engagement. Dealers' prices would be around 8s. 6d. per lb.

**PHENAZONE.**—Business quiet, with dealers' quotations unchanged. Bulk quantities, about 17s. 6d. per lb.; smaller lots, up to 22s. per lb.

**PHENOLPHTHALEIN.**—No change in makers' prices: Less than 7 lb., 3s. 8d. per lb.; 7 lb., 3s. 7d.; 14 lb., 3s. 6d.; 28 lb., 3s. 5d.; one cwt., 3s. 4d.

**PHOTOGRAPHIC CHEMICALS.**—The following are home makers' prices: **SODIUM HYPOSULPHITE.**—5 cwt., 20s.; 1 cwt., 23s.; 56 lb. for 12s. 6d.; 28 lb. for 6s. 6d. **SODIUM CARBONATE, RECRYST.**—5 cwt., 13s. 9d.; 1 cwt., 17s.; 56 lb. for 12s. 6d.; 28 lb. for 6s. 6d. **ALUM (PHOTOGRAPHIC QUALITY).**—1 cwt., 23s.; 28 lb. for 6s. 6d. **GLYCIN.**—7 lb., 13s. 6d.; in 1-lb. bottles, 14s. 6d. **POTASSIUM FERRICYANIDE.**—28 lb., 3s. 1d.; 14 lb., 3s. 3d.; 7 lb., 3s. 6d.; less than 7 lb., 3s. 9d. per lb.; 1-lb. bottles, 4s. 3d.; 8-oz. bottles, 2s. 6d.; 4-oz., 1s. 5d.; 1-oz., 10d. each. **AMIDOL.**—1 cwt., 8s. 6d.; 56 lb., 8s. 9d.; 28 lb., 9s. per lb., net; 14 lb., 10s. 9d.; 7 lb., 10s. 6d.; less than 3 lb., 12s. 6d. per lb., 2½ per cent. monthly account. Bulk parcels and tins free. 1-lb. bottles, 6d. extra. **CHLORQUINOL.**—1-lb. bottles, 21s. per lb. **HYDROQUINONE.**—1 cwt., 6s. 4½d.; 56 lb., 6s. 7d.; 28 lb., 6s. 10d. per lb., net; 14 lb., 7s. 3d.; 7 lb., 7s. 6d.; less than 7 lb., 8s. per lb., less 2½ per cent. monthly account. Retail quantities: 16 oz., 8s. 6d.; 8 oz., 4s. 6d.; 4 oz., 2s. 8d. Trade prices in bottles: 1-lb. bottles, 8s. 6d. each; 8-oz. bottles, 4s. 6d. each; 4-oz. bottles, 2s. 8d. each; 1-oz. bottles, 1s. 1d. each, with retail selling prices 50 per cent. additional. **GOLD CHLORIDE.**—15-grain tubes, 53s. per doz. **MAGNESIUM POWDER.**—11s. 9d. per lb. **PARAMIDOPHENOL HYDROCHLORIDE.**—9s. per lb., bottles free. **POTASSIUM METABISULPHITE.**—One cwt., 1s. 3d.; 28 lb., 1s. 6d.; 14 lb., 1s. 7d.; 7 lb., 1s. 9d.; 1 lb., 2s.; 16-oz. bottles, 2s. 6d.; 8-oz. bottles, 1s. 6d. each; 4-oz. bottles, 1s. each; 1-oz. bottles, 8d. each. **PYROGALLIC ACID, CRYST.**—1 cwt., 15s.; 56 lb., 15s. 6d.; 28 lb., 15s. 6d.; 14 lb., 15s. 6d.; 7 lb., 15s. 6d.; 1 lb., 16s. 6d.; 8 oz., 9s.; 4 oz., 5s. 4d.; 1 oz., 2s. **SODIUM SULPHITE, RECRYST.**—One cwt., 24s. 6d. per cwt., 56 lb. for 13s. 3d.; 28 lb. for 7s. **METOL.**—1 cwt., 15s.; 56 lb., 15s. 6d.; 28 lb., 16s. per lb., all net; 14 lb., 17s.; 7 lb., 18s.; under 3 lb., 19s. per lb., all 2½ per cent. monthly account. Bulk tins free; 1-lb. bottles, 6d. per lb. extra. Retail quantities: 16 oz., 19s. 6d.; 8 oz., 10s. 6d.; 4 oz., 5s. 6d.; 1 oz., 2s. 3d. It is a condition of sale by the manufacturers that material shall not be re-sold at prices lower than manufacturers' schedules ruling on date re-sale is made.

**SACCHARIN.**—No alteration has occurred in the Convention price for 550 of 98s. 4d. per lb., duty paid. Neither wholesale nor retail prices are under Government control.

**SALOL.**—Values continue firm at about 6s. 9d. to 7s. 6d. per lb., according to quantity.

**STRYCHNINE SALTS.**—Makers' prices per oz. are as follows:—

	Under 100 oz.	100 oz. and under 500 oz.	500 oz. and over		Under 100 oz.	100 oz. and under 500 oz.	500 oz. and over
Alkaloid, crystalline	s. d.	s. d.	s. d.	Nitrate, powder	s. d.	s. d.	s. d.
" precipitated	3 0	2 10½	2 9	" " No. 2	2 9½	2 8	2 6½
Acetate	3 0	2 10½	2 9	" " " "	2 3	2 1½	2 0
Arsenate	3 2½	3 1	2 11½	Phosphate	3 7½	3 6	3 4½
Arsenite	3 1	2 11½	2 10	Sulphate, neutral, crystalline	2 6	2 4½	2 3
Bisulphate	3 2½	3 1	2 11½	Sulphate, neutral, powder	2 6	2 4½	2 3
Hydrochloride	2 4½	2 3	2 1½	Sulphate, neutral, powder No. 2	2 1	1 11½	1 10
Hypophosphite	2 9½	2 8	2 6½				
Nitrate, crystalline	5 6	5 4½	5 3				
	2 9½	2 8	2 6½				

25-oz. containers and outer cases free; smaller packages extra. Contracts may be booked for quantities of 100 oz. and over, with rise-and-fall clause, for a period of six months. Terms net thirty days. Wholesale distributors' prices for small quantities would be dearer.

**SULPHONAL.**—In small demand at unchanged prices. Dealers are quoting prices of 34s. to 37s. 6d. per lb., according to quantity.

**VANILLIN.**—Makers' prices are steady: Ex clove oil or guaiacol, five cwt., 15s. 6d. per lb.; one cwt., 15s. 7½d.; 56 lb., 15s. 9d.; less than 56 lb., 16s., carriage paid in the U.K. Tins in cases are now returnable to makers.

### Crude Drugs, etc.

A quiet tone is reported, with spot business mostly in small quantities. Prices are steady.

**ACONITE ROOT.**—Very scarce. Any remaining root would be worth approximately 160s. per cwt.

**AGAR.**—Inquiry fair. Kobe No. 1 is now quoted on spot at 17s. 6d. per lb., and Kobe No. 2 and Yokohama No. 1 both at 17s. per lb. No shipment offers are reported.

**ALOE.**—Routine business continues for Curaçao, with spot supplies limited. Quotations are now at about 330s. to 350s. per cwt., ex store, according to quantity. The last price reported from New York was 300s. per cwt., c.i.f. Cape remains steady and unchanged at about 57s. 6d. to 60s. per cwt.

Exports from the Cape during the nine months ended September 30, 1940, totalling 551,612 lb., valued at £7,178, compared with 823,318 lb., valued at £11,331, in the corresponding period of 1939.

**ANTIMONY.**—In steady demand at lower prices. English, 99 per cent. £85 per ton, delivered; foreign regulus, £88 to £91 per ton, ex warehouse, duty paid; Chinese, for prompt shipment, £76 to £80 per ton, c.i.f.

**BALSAMS.**—Not much business moving in any description. *Tolu*, spot 8s. per lb.; Canada, 7s. 6d. per lb.; *Copaiba*, B.P., 3s. 6d. to 3s. 9d. per lb. *Peru*, 7s. 9d. per lb.

**BELLADONNA.**—The value of English-grown leaf is now about 4s. 6d. per lb. Some Indian root is expected to arrive shortly.

**BENZALDEHYDE.**—Firm, and in short supply. Quotations nominal at 4s. to 4s. 6d. per lb.

**BENZON.**—Quiet trade is passing at unchanged prices. Spot, steady at previous figure of between £5 10s. and £6 15s. per cwt., ex store.

**BISMUTH METAL.**—Current price is steady at one dollar 25 cents per lb.

**BUCHU.**—Limited spot business at unchanged prices. Spot, about 3s. 3d. to 3s. 5d. per lb., according to quality. No offers of new crop.

Exports from the Cape during the nine months ended September 30, 1940, totalling 181,378 lb., valued at £18,656, compared with 254,765 lb., valued at £11,431, in the corresponding period of 1939.

**CAFFEINE.**—Very firm, with supplies limited. Importers are quoting about 47s. 6d. to 50s. per lb., according to quantity. *CITRATE*, also in short supply is quoted at about 27s. to 32s. per lb.

**CAMPHOR.**—Market slow but fully steady. Japanese, tablets, about 6s per lb., for limited supplies; slabs, about 5s. 2d. to 5s. 3d. per lb.; flowers about 5s. 4d. per lb. Continental synthetic is quoted unchanged; Powder 5s. 3d.; tablets, 5s. 6d. per lb., ex store. English refined, steady at the recent advance, as follows: Flowers, one cwt., 6s. 3d.; 28 lb., 6s. 4d.; less than 28 lb., 6s. 5d. per lb. Transparent tablets, ¼ oz.: one cwt., 6s. 9d.; 28 lb., 6s. 10d.; less than 28 lb., 6s. 11d. per lb.

**CANTHARIDES.**—Values steady, business quiet. Chinese, spot, about 5s. 9d. to 6s. per lb., duty paid; Russian, if available, about 6s. 6d. per lb., on spot.

**CARDAMOMS.**—Market remains slack, with quoted values about unchanged Ceylon, spot, 3s. 6d. to 5s. per lb., according to quantity. Bombay seed, about 4s. 6d. per lb. Mangalore seed, about 4s. 3d. per lb. Aleppy greens, about 3s. 2d. per lb.

Exports of cardamoms from Ceylon during the seven months January–July 1940 totalling 1,000 cwt., valued at Rs. 167,000, compared with 2,000 cwt. (Rs. 260,000) in the corresponding period of the previous year.

**CASCARA SAGRADA.**—Rather more inquiry on spot has been noted this week, but stocks are reported to be low. Spot, about 125s. per cwt.; shipment, approximately 105s. per cwt., c.i.f.

**CASCARILLA.**—Average small spot business. Silvery quill, about 1s. 6d. per lb.; siftings, about 1s. 4d. per lb.

**CHAMOMILES.**—Belgian flowers are unquoted.

**CHILLIES.**—Steady on a quiet market. Mombasa, spot, about 140s. per cwt., and Sierra Leone at about 135s. per cwt.

**CITRIC ACID (B.P. CRYSTALS).**—Makers' price continues nominal at 1s. 2d. per lb., less 5 per cent. discount.

**CLOVES.**—Prices of Zanzibar are firm, with spot sales done at 11½d. per lb. To arrive, sellers quote January shipment at 9½d. per lb., c.i.f., nominal. Madagascar continues steady on spot at 11d. per lb., in bond.

**COCHINEAL.**—Steady on a quiet market. Spot, blacks, about 2s. 6d. per lb.; greys, about 2s. 3d. per lb.

**COCOA BUTTER.**—Nominal spot price is 1s. 3d. per lb., duty paid, ex store.

**COCONUT (DESICCATED).**—Values of fine and medium are nominal on spot. During the seven months January–July 1940, 232,000 cwt. of desiccated coconut, valued at Rs. 2,310,000, was exported from Ceylon. In the corresponding period of 1939 the figures were 342,000 cwt. and Rs. 2,800,000 respectively.

**COLOCYNTH.**—Business remains quiet, with quotations unchanged. Dealers are quoting fine-quality pulp at about 2s. per lb., with ordinary grades at about 1s. 7d. to 1s. 8d. per lb.

**CREAM OF TARTAR (B.P.).**—One maker notifies a nominal price of 202s. per cwt., less 2½ per cent. discount, with supplies restricted to regular consumer customers.

**DANDELION ROOT.**—Imported root unquoted. English-dug root is worth about 2s. per lb.

**DERRIS ROOT.**—Root testing about 4 per cent. rotenone would be worth about 1s. 1d. to 1s. 2d. per lb., but stocks are reported to be small.

**DIGITALIS LEAVES.**—Imported leaves are not quoted. English-grown leaves are now valued at about 4s. per lb., ex store.

**EPHEDRINE HYDROCHLORIDE (B.P.).**—Ordinary quantities continue to be quoted at about 7s. to 8s. per oz. Lots of 1,000 oz. are at a slightly lower figure.

**ERGOT.**—Not much business is recorded. Spanish-Portuguese is now quoted on spot at about 8s. 9d. per lb., ex store; shipment, steady and unchanged at around 7s. 6d. per lb., c.i.f.

**GAMBOGE.**—Business has been on a small scale, at unchanged prices. Spot, good-quality Siam pipe, about £25 to £26 per cwt., duty paid, ex store.

**GENTIAN.**—French root is no longer obtainable, and Spanish is reported to be exhausted. About 200s. per cwt. would represent the value of any odd bags that may remain.



**FINGER.**—The upward tendency recently noted continues and West African low quoted on spot at the higher figure of 80s. per cwt. Jamaican is also lower at approximately 100s. for small-medium, up to 120s. per cwt. for 1, in barrels, ex store. Cochín, unwashed, is unchanged at 75s. per cwt., store.

**GUAIACOL.**—Crystals and liquid are quoted by dealers at about 12s. 6d. lb. for limited supplies.

**GUAIACOL CARBONATE.**—Small inquiry, values steady. Makers' and dealers' quotations continue at about 12s. 6d. to 13s. 6d. per lb.

**GUM ACACIA.**—Demand has been quiet, but spot values are dearer. Kordofan mixed sorts, spot, about 90s. per cwt., ex store London; shipment, about 1. 6d. per cwt., c.i.f.

**HENBANE.**—The value of English-grown leaf would be about 6s. 6d. per lb. Indian is reported available at about 210s. per cwt.

**HYDRASTIS.**—Untested root is quoted on spot at the slightly lower figure 17s. per lb.

**PECACUANHA.**—A small spot business has been done, with values maintained. Grosso, spot, about 22s. per lb., ex store; shipment, about 16s. 9d. per c.i.f. Minas, again firmer, with spot values now at about 11s. per lb., according to test; forward values about 8s. 3d. to 8s. 6d. per lb., c.i.f. EXT. CAC. LIQ., unchanged at 30s. per lb., for minimum lots of twelve wincesters.

**MENTHOL.**—Firm. Chinese, spot, about 20s. 6d. to 21s. per lb.; offers from India are at about 17s. 6d. upwards per lb., c.i.f. Japanese, spot, a few cases stated to be available at about 22s. 6d. per lb., ex store, duty paid.

**MERCURY.**—No alteration has occurred in the London spot quotation of £48 a bottle of 34.5 kilos, ex warehouse London, without engagement and subject confirmation.

**NUTMEGS.**—Average inquiry; values unaltered. West Indian, spot, 80's, at 1s. 2d. per lb; 90's, 10½d.; and wormy and broken, about 9½d.

**ORANGE PEEL.**—Thin-cut is valued on spot at about 3s. 2d. per lb., ex store tr quarters, if available, would be worth about 1s. 8d. per lb., ex store.

**PEPPERS.**—Firmer. Lampong, spot, 5½d. per lb., in bond; shipment, January-February, nominal. Tellicherry, spot, 6½d. Aleppy, spot, 6d; to five, 36s. 6d. per cwt., c.i.f., sellers. White Muntok, spot, duty paid, 9d.; bond, 8½d.; shipment, unquoted.

**PIMENTO.**—Spot value shows a further advance to 1s. 6d. per lb.; shipment, w crop, January-February, unchanged at 125s. per cwt., c.i.f., sellers.

**PYRETHRUM.**—Spot quotations for Kenya flowers continue at in the region 160s. to 170s. per cwt., ex store.

**QUILLAIA BARK.**—Dealers are quoting about 85s. per cwt., ex store.

**QUININE.**—Sulphate is quoted at 59.85 U.S.A. dollars per 100 oz., f.o.b. va. At current exchange rate the sterling price would be £14 17s. 5d. per 100 oz., f.o.b. Java.

**RHUBARB.**—Good demand continues, but spot stocks are limited. Ordinary quality rough-root is valued at about 5s. 10½d. per lb. on spot; shipment, out 4s. 4d. to 4s. 6d. per lb., c.i.f. Shensi has been in fair inquiry. Spot stocks are limited and would be valued at about 7s. 9d. to 8s. per lb.

**RUBBER.**—All positions show fractional increases. Standard ribbed smoked set, spot, 1s.; January, 1s.; February, 12½d.; March, 12½d.; April-June, 14d.; July-September, 12½d.

**SAFFRON.**—Spot quotations for genuine Spanish remain at about 170s. per

**SEEDS.**—ANISE.—Cyprus, quoted at 100s., cost and freight, for January-February shipment. CANARY.—No parcels are to be had on spot. CARAWAY.—Spot, Dutch, 140s., duty paid. CORIANDER.—Morocco, firm on spot at 125s., duty paid. CUMIN.—Spot, Morocco, 140s., duty paid; Malta, 145s., duty free. FENNEL.—Spot, Indian, 67s. 6d., duty free. FENNEL.—Spot, Indian, 57s. 6d., duty free. FENUGREEK.—Spot, Morocco, 40s., duty free, ex store London or Liverpool. MUSTARD.—English, 77s. 6d. to 85s., according to quality.

**SENEGA.**—Firm. Spot, about 4s. 10½d. to 5s. per lb., with not a lot available these figures; shipment, about 4s. 9d. per lb., c.i.f.

**SENNA.**—Tinnevely, market steady, spot supplies small. No. 1 leaves, 10s. per lb.; No. 2 leaves, 6½d.; No. 3 leaves, 5d. per lb. Hand-picked Tinnevely pods, if available, 1s. to 1s. 3d. per lb.; manufacturing pods, 6d. to 7d. per lb. Alexandrian hand-picked pods, a few small lots at 5s. 6d. to 7s. 6d. per lb.

**SHELLAC.**—Steady on spot; value of usual standard TN orange is 87s. 6d. per cwt.; to arrive, 77s. 9d. per cwt., c.i.f. Pure button, 115s., and fine orange, 10s. to 170s. per cwt.

**SODIUM BARBITONE.**—A small inquiry, with quotations steady. One cwt., 1s. 6d. per lb.; 28 lb., 24s. 6d.; smaller lots, 27s. 6d. per lb.

**STRAMONIUM LEAVES.**—Spot stocks are limited, and any remaining supplies would be worth between 140s. and 150s. per cwt.

**TAMARINDS.**—Spot supplies limited. Barbados, 50s. per cwt.; Antigua, 4s. per cwt., ex store London.

**TARTARIC ACID (B.P. CRYSTALS).**—Makers' nominal quotation continues 2s. 6½d. per lb., less 5 per cent. discount. Supplies are reserved for regular consumer customers.

**THEOBROMINE.**—Extremely short. Prices of imported material appear to have advanced 45s. and 60s. per lb. From 32s. 6d. to 37s. 6d. per lb. is quoted for THEOBROMINE SODIUM SALICYLATE made from imported theobromine.

**TONKA BEANS.**—Spot quotations for fair frosted Para continue at about 1. 6d. to 2s. 9d. per lb.

**TRAGACANTH.**—Market is quiet, but quoted values are dearer owing to scarcity of the finer grades of gum. No. 1, white, £100; No. 2, white, £85; No. 3, white, £65; pale leaf, £40; amber leaf, £28; red leaf, from £15; woody and hoggy, from £8 per cwt., ex store.

**TURMERIC.**—Spot, Madras and Rajapore finger, quoted 52s. 6d.

**WAXES.**—BEES'.—Market quiet; values dearer. Spot, 200s.; in bond, 190s.; shipment, Dar-es-Salaam, 185s. per cwt., c.i.f. Japanese, first three brands, spot, duty paid, 137s.; in bond, 127s.; shipment, 115s., c.i.f. CARNAUBA.—Fatty grey, again dearer at 430s.; chalky grey, 425s.; Primeira, 530s.

### Essential and Expressed Oils, etc.

A SMALL but steady business is reported in certain of these products. Anise (star) shows a small advance. Prices for cassia are firm. Citronella is inclined to be firmer. Lemongrass is quoted dearer for shipment.

**ALMOND.**—No change has occurred in English expressed, which remains steady at the recent advance, as follows: Spot, one-cwt. lots, 4s. 6d.; smaller quantities, up to 4s. 9d. per lb., ex store. Genuine French bitter is quoted unchanged on spot at about 18s. per lb., nominal, ex store.

**ANISE (STAR).**—Spot values for good-quality oil show a small advance. Spot, tins in cases, about 6s. 4½d. to 6s. 6d.; drums, about 6s. 1½d. to 6s. 3d. per lb., ex store; shipment, tins in cases, about 5s. per lb., c.i.f.

**AVOCADO PEAR.**—Importers' quotations are unaltered at about 55s. to 57s. per gall., delivered; small lots would be at higher prices.

**BAY.**—Spot values are maintained at between 6s. and 6s. 6d. per lb., ex store.

**BERGAMOT.**—No change is reported in the position of this oil. Spot value are a matter for negotiation; about 60s. per lb. has been mentioned as a basis. British makers offer artificial substitutes at attractive prices.

**BOIS DE ROSE.**—The position remains as stated last week. Spot, fully 12s. 6d. per lb.; shipment, about 9s. 3d. per lb., c.i.f., in drums.

**CAJUPUT.**—In small demand. Spot, approximately 5s. to 6s. per lb., according to quantity.

**CANANGA.**—Quiet and steady. The present spot quotation stands at about 19s. per lb.

**CASSIA.**—Very firm. Spot oil would now be worth from about 9s. upwards per lb.; shipment, if obtainable, approximately 7s. per lb., c.i.f.

**CITRONELLA.**—Prices are a shade dearer and firm. Ceylon, spot, quoted at about 2s. 6d. per lb., in drums; small lots, up to 3s. per lb.; shipment, firm at about 2s. per lb., c.i.f. Java, spot, about 2s. 6d. to 3s. per lb.; shipment, about 1s. 9d. per lb., c.i.f.

In the seven months January-July 1940, exports of citronella oil from Ceylon totalled 652,000 lb., valued at Rs. 591,000, compared with 812,000 lb. (Rs. 580,000), in the corresponding period of the previous year.

**CLOVE.**—Average routine demand on the spot. Madagascar, spot, in drums, about 6s. upwards, per lb., if available. English, quoted unchanged at about 7s. 5d. to 7s. 11d. per lb., according to quantity.

**EUCALYPTUS.**—The spot position is unchanged. Spot, from 4s. to 4s. 6d. per lb. for 70 to 75 per cent. oil, according to holder, and from 4s. 6d. to 4s. 9d. for 80 to 85 per cent.; shipment continues nominal.

**GERANIUM.**—Bourbon and Algerian continue firm on spot at about 50s. per lb. for any good-quality oil available.

**GRAPEFRUIT.**—Genuine Californian is valued on spot at between 14s. 6d. and 15s. per lb. Genuine Florida would be worth about 11s. 6d. per lb.

**LEMON.**—There is no change in quotations for Californian distilled which remains at about 10s. per lb., nominal; cold-pressed might be obtained on the basis of 3 dollars 25 cents per lb., cost and freight. The position of Sicilian hand-pressed is unaltered; no quotations are available, and spot prices would be a matter for negotiation. British makers offer artificial substitutes at attractive prices.

**LEMONGRASS.**—Very firm. Shipment is now at about 4s. 3d. per lb., c.i.f. The value of spot would be in the region of 4s. 6d. to 5s. per lb.

**LIME.**—Spot quotations for West Indian remain at about 30s. per lb., with other qualities at lower prices.

**LINSEED.**—The controlled price for large bulk quantities of crude, naked ex works, is at the recent reduction to £41 10s. per ton. Distributors' prices for ordinary quantities would be higher figures.

**NEROLI.**—Quiet and steady. Pure French would be at about 80s. per oz. Artificial substitutes are available from British makers at attractive prices.

**OLIVE.**—The Ministry of Food controlled price to importers for large bulk quantities in 50-gall. drums is unchanged. Distributors' prices for a few gallons, in gallon tins, carriage paid, range from 12s. 6d. to 13s. 6d. per gall. as to quantity.

**ORANGE.**—French Guinea is quoted on spot at approximately 10s. or more per lb. Rhodesian continues to be valued at 8s. 6d. per lb., ex wharf London. Californian is quoted in sterling at 5s. per lb., in small drums, ex store, duty paid, limited supplies only being available. Shipment can be effected by transit overland to New York at an extra charge of five cents per lb.

**PALMAROSA.**—Business quiet, market steady. Spot, about 12s. 6d. per lb., ex store; shipment, new-crop, about 10s. 6d. per lb., c.i.f.

**PEPPERMINT.**—The good demand reported recently for Chinese continues, but there appears to be little left on spot; value would be about 10s. 3d. to 10s. 6d. per lb. Shipment quotations are now about 7s. to 7s. 3d. per lb., c.i.f. American natural continues steady at 14s. 3d. in drums, and 14s. 7d., in tins in cases, c.i.f. Spot, steady at about 16s. per lb., ex store.

**PEITGRAIN.**—Quiet, with values maintained. Spot, about 12s. 6d. per lb., nominal; no shipment offers.

**ROSE.**—Limited business; values maintained. Bulgarian oil is quoted on spot at about 80s. per oz.

**SPIKE.**—Quiet, with values exchanged on the week. Spot, about 12s. 6d. to 13s. 6d. per lb.

**VEITVET.**—Spot values are maintained, and business is slow. Spot, Bourbon, about 50s. per lb.; Java, about 40s. per lb., ex store.



## POINTS FROM LETTERS

*Appreciation*

I enclose with pleasure cheque. I believe you give the best value of any firm that I do business with. The information given is most reliable and the chemist's business would be very lonely without the *C. & D.* every week. With best wishes.—*S. M. K.* (9/12).

*Twice-paid Tax*

To avoid the injustice to manufacturers of paying purchase tax twice over (*C. & D.*, December 28, p. 343), would it not be possible to allow these smaller manufacturers to affix a label or stamp stating "tax paid" to each item before it is sent out? This would involve no more trouble than does the use of a patent medicine stamp; there would be no risk of the articles reaching the public untaxed; and output could easily be checked by comparing the quantity of materials bought with the number of finished products sold in normal times and now, or from the quantities of goods invoiced.—*Small Manufacturer* (28/12).

*Unequal Distribution*

It is clear that a wholesaler is not bound, when allocating supplies, to observe the proportion in which he supplied goods to particular customers in the "standard" period. Would it not be fairer if wholesalers were compelled to allocate their quotas, on the ratio of pre-war orders, to chemists who have been dealing with them regularly for years? The present position seems curiously haphazard, not only in the chemist's business but in the retail trade generally. Before Christmas I went into several shops to buy chocolates, without success. Yet in a local covered market I saw a display of confectionery of well-known makes of all kinds, both loose and boxed, and had no difficulty in making a choice.—*Lost Quota* (28/12).

*Profit-ratio Policy*

If chemists were to make a firm stand and refuse to sell any proprietary that did not give them a reasonable margin of profit (*C. & D.*, December 28, p. 348) they would in the long run bring manufacturers who grant these poor terms to see that such a policy does not pay. The argument against firm action has been that if chemists refused to stock such lines the manufacturers would be driven to enhance their sales through unqualified traders, but in fact they do this already, and frequently after they have previously induced chemists to start the line. Thus there is little likelihood of pharmacy suffering from new points of distribution. There are one or two patents with inadequate profit that I personally have consistently refused to stock, and I cannot trace that my business was ever affected adversely. Rather the reverse, in fact, as customers who know me are ready to take one of my own preparations.—*Profit with Honour* (30/12).

*Pharmacy Restored to the Pharmacist*

The purchase tax and Limitation of Supplies Order may be doing more to restore the alert pharmacist to his rightful place as supplier of the nation's medicines than all the talk of recent years. There is evidence that industrious chemists are making and packing many pharmaceuticals which for years they have been buying from manufacturers or wholesalers. True, the packings may not be quite so elegant as the ready-packed containers, but the quality is there, and the fact that a chemist can truthfully tell his customers he has made or filled the item himself goes far to raising his prestige above that of the mere distributor of other firms' goods. I have found that the ordinary slip label is accepted as a sign of quality, and that customers return time and again for the same "own-name" article. There are, too, little originalities which the chemist can introduce in his mode of packing to stamp them as his own and there is no reason why much extra capital should be needed on the preparation and packing side of the business, while there are few businesses which cannot afford the time for this work.—*Pakit* (18/11).

*Enforcement of the Pharmacy Act*

The duty of the Pharmaceutical Society, as set out in its Charter, is "the protection of those who carry on the business of Chemists and Druggists." For this purpose it examines and registers its members and their premises for fees which are its main source of income. Furthermore, the Pharmaceutical Society is the only body entitled to enforce the Pharmacy and Poisons Act against persons carrying on business comprising the retail sale of drugs. Any non-enforcement of the provisions of the Act against co-operative societies is a dereliction of duty by the Society. Do not the present negotiations for relaxation of the law amount to a betrayal by the Council of the Society of the rights of the members they represent? History shows that the compromises effected by the Pharmaceutical Society have sacrificed the legitimate interests of qualified chemists in favour of company pharmacy and unqualified vendors of poisons. The statutory authority conferred upon the Society precludes discrimination in enforcing the provisions relating to carrying on a business comprising the retail sale of drugs. Any concession to co-operative societies conflicts with that authority.—*Scrutator* (6/1).

## MISCELLANEOUS INQUIRIES

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

**Scurf Pomade.**—*E. C. T.* (5/12).—The following formulas are taken from "Pharmaceutical Formulas," Vol. II:—

I		II	
Salicylic acid ..	3ss.	Salicylic acid ..	gr. xx.
Borax ..	gr. xv.	Chloral hydrate ..	gr. x.
Soft paraffin ..	3j.	Eucalyptus oil ..	℥v.
Balsam of Peru ..	3ss.	Zinc ointment ..	3ss.
Oil of cinnamon ..	℥ijj.	Rose water ointment ..	3ss.
Oil of bergamot ..	℥ix.		

**Cod Liver Oil.**—*S. & Co.* (17/12).—The amount of liver oil obtained from the cod fish varies considerably, depending on several factors, such as locality of the catch, season of the year, etc. The weight of the liver may be 20–25 per cent. of the total weight of the fish and the oil content of the liver on the average is about 45–50 per cent. These latter figures, however, are often as high as 60–70 per cent. in certain cases during the autumn.

**Modern Hair Cream.**—*P. E. R. L.* (10/12).—The following will probably be suitable for your requirements:—

I		II	
Tegin ..	8 parts by weight	White wax ..	10 parts
Liquid paraffin ..	20 parts by weight	Liquid paraffin ..	130 parts
Arachis oil (or soya bean oil) ..	2 parts by weight	Distilled water ..	15 parts
Distilled water ..	70 parts by weight	Borax ..	1 part
Perfume ..	a sufficiency		

Melt the wax in fifty parts of liquid paraffin. Place in a mortar and stir in the remainder of the liquid paraffin. Add the distilled water in which the borax has been dissolved and stir the cream formed consistently until cold.

**Non-oily Brilliantine.**—*B. D. & Co.* (6/12).—The following formula will produce the type of hair dressing you have in mind:—

Glycerin ..	40
Spirit ..	40
Water ..	19
Perfume ..	1

This could be coloured with a suitable dye if desired.

**Purchase Tax.**—*S. L. B.* (11/11).—Stationery and office equipment may be bought by registered firms engaged on Government work tax-free although required for use in the buyer's office or premises. It should be noted that according to paragraph 8 of Notice 77 registered firms may buy tax-free only goods intended for use as manufacturers' materials, or wholesalers' stock, and this position is not altered by the fact that the firm concerned may be engaged on Government work. The Commissioners of Customs and Excise state that registered firms who misuse their certificates in this way will be held accountable for tax on goods so bought and will also render themselves liable to heavy penalties.

**Vitamin B Complex Elixir.**—*D. W.* (12/12).—An elixir containing vitamin B factors can be made from the following formula:—

Thiamine hydrochloride (B <sub>1</sub> ) ..	0.05
Riboflavin (B <sub>2</sub> ) ..	0.02
Pyridoxin (B <sub>6</sub> ) ..	0.025
Nicotinic acid (P-P factor) ..	0.2
Liver extract ..	22.5
Benzoic acid ..	0.5
Syrup of orange ..	80.0
Glycerin ..	55.0
Compound tincture of cardamoms ..	10.0
Sherry wine, a sufficiency ..	500.0

**Sulphonamide E.O.S.**—*M. R. B.* (16/12).—This is the provisional name given to a new compound which is the *N*-ethyl-sulphonate of sulphanilamide. As compared with sulphanilamide and its other derivatives the new compound has been found to be less toxic and largely free from the unpleasant by-effects which accompany the use of these drugs. Its high solubility in water, allowing of the preparation of strong solutions up to 40 per cent., compared with the low solubility of sulphanilamide and most of its derivatives, facilitates administration. According to Green and Coplans ("Chemistry and Industry," November 30, p. 793), a high degree of success has attended clinical trials with this new compound, the most important observation made being its relative freedom from toxicity. In the opinion of the above workers the relative non-toxicity suggests the possibility of its employment for lighter ailments such as common colds, and as a general safe prophylactic.



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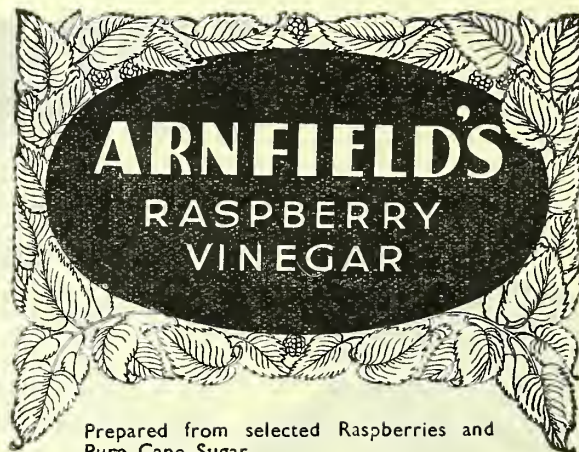
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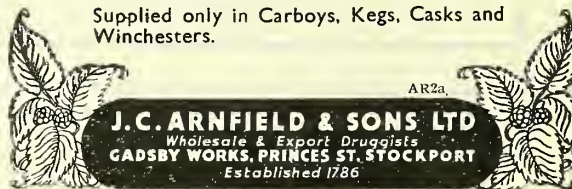
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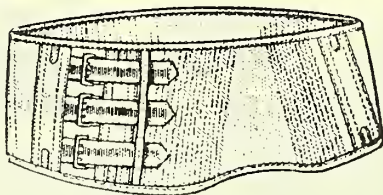
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**WARNING TO TORCH USERS**  
You can be prosecuted for flashing a torch upwards

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**NOW YOU CAN'T BE WRONG**

PUTS YOU ON THE RIGHT SIDE OF NEW LIGHTING LAW  
AVOIDS HELPING THE ENEMY  
PREVENTS ACCIDENTS.  
-NO DAZZLE  
SAVES BATTERIES

**LEGALITE**  
MERCURY TORCH SWITCH

**1/- EACH**

HUNDREDS OF THOUSANDS of **LEGALITES** ARE SELLING EVERY WEEK—A NECESSITY TO ALL TORCH USERS TO KEEP WITHIN THE LIGHTING RESTRICTION ORDER

## RETAILERS' SPECIAL OFFER

16/- cash with order brings you  
24 **LEGALITES** and attractive  
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**YOU SELL FOR 26/4**

Retail price 1/- plus 10%, not subject to Purchase Tax.

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**GREATER**  
**THAN EVER IS THE**  
**DEMAND** FOR



PERFECTED  
**WHITE**  
**CAP**

# U.G.B.

## MEDICAL BOTTLES



Cork-Mouth.  
Photograph of  
actual package  
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bottles with  
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White Enameled  
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Photograph of  
actual package of  
screw-cap bottles  
with the cover  
removed.



White Korka-  
lite Moulded Cap.  
Photo of actual  
package of bottles  
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Caps.

**WASHED AND STERILIZED**  
**—READY FOR USE—**  
**THE IDEAL**  
**DISPENSING BOTTLE**  
**IN ANY EMERGENCY**

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## **HOT WATER BOTTLES**

and the demand comes at a time when so much of this company's output must contribute to the nation's war effort. Our friends in the trade will appreciate the difficulty we have in meeting all their requirements in present circumstances.

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Made in Edinburgh by THE NORTH BRITISH RUBBER COMPANY LTD.



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## THE IDEAL SELF-STERILISING LOCAL ANÆSTHETIC

DOES NOT CONTAIN COCAINE \* NOT SUBJECT TO D.D.A.

### *Three points of paramount importance.*

#### 1. SELF-STERILISING.

Novutox is a self-sterilising solution of ethocaine hydrochloride which will remain sterile even though exposed to the atmosphere for weeks.

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Owing to the unique self-sterilising properties of the preparation Novutox is always ready for immediate use without further process of sterilisation.

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The remarkable stocking properties of Novutox are invaluable under war conditions and pharmacists are recommended to hold adequate stocks to ensure their ability to meet emergency requirements of their professional clients.

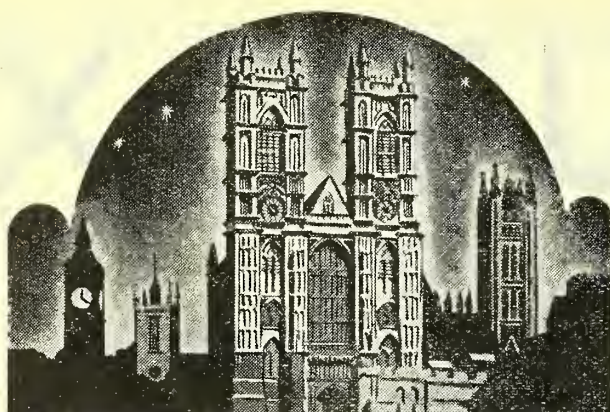
Available in

BOTTLES: 2-oz.: 20-oz.:  $\frac{1}{2}\%$ , 1%, 2%, 3% SOLUTIONS.

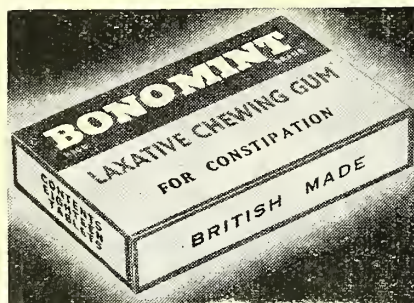
AMPOULES: 2 c.c. Boxes of 12 and 100: 1%, 2% SOLUTIONS.  
50 c.c.  $\frac{1}{2}\%$  & 1% SOLUTIONS.

CARTRIDGES: (Standard size) BOXES of 20 & 100: 2% & 3% SOLUTIONS.

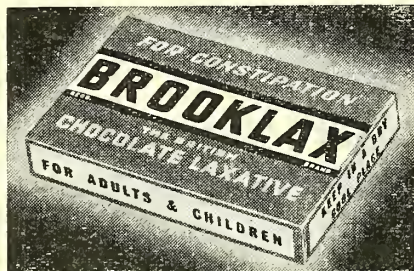




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**LAXATIVES**  
THAT GIVE YOU  
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THE BRITISH LAXATIVE CHEWING GUM



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**WESTMINSTER  
LABORATORIES  
LTD.**

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# PURCHASE TAX

Very many of our friends have had supplies of our labels for this. If you are needing some send us a post card with your name and address and add "Tax Labels," and we will send specimens.

**JAMES TOWNSEND & SONS**  
LABEL PRINTERS  
**EXETER**

London Office : 29, FARRINGTON STREET, E.C.4

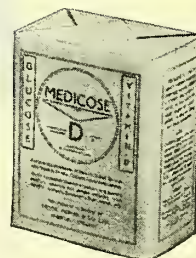
## MEDICOSE D

A new preparation of Pure Medicinal Glucose with Vitamin D and Calcium Glycerophosphate. It is especially useful for expectant and nursing mothers, and for Debility, Overstrain, Malnutrition.

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**3 profit-makers**  
to display this Winter...

**HALIBUT LIVER OIL Capsules**  
Boxes of 24 Capsules 9/- doz., 60, 18/- doz., 100 28/- doz.  
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Bottles 1/4 oz, 9/- doz, 1/2 oz, 16/- doz, 1 oz, 28/- doz.  
**HALIBUT LIVER OIL and MALT EXTRACT**  
In Jars 1 lb, 14/- doz, 2 lb, 25/- doz.

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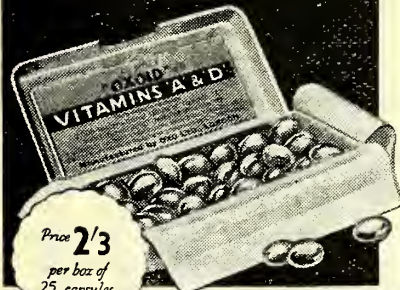


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## VITAMINS 'A' &amp; 'D'

Each Capsule contains 7,000 I.U. of 'A' and 900 I.U. of 'D.'

FOR RAPID ADAPTATION OF VISION IN  
SEMI - DARKNESS. (Lancet, 1939, II. 1355.)TO COMBAT THE  
BLACK-OUT..

"OXOID" BRAND  
VITAMINS 'A' &  
'D' CAPSULES are  
also extensively  
prescribed for  
reducing suscepti-  
bility to infections,  
and as a prophylac-  
tic against the  
Common Cold

Sold by Chemists

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PRODUCT OF THE OXO LABORATORIES

*The Wise Chemist  
always recommends  
the best remedy.*

★ A LONDON CHEMIST:  
"I am delighted to  
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Tablets to my Asthma  
Suffering customers, as  
I am convinced there  
is no remedy to equal  
it."

IT WILL PAY YOU TO RECOMMEND AND SELL  
DR. SINGHA ASTHMA TABLETS

The ORIGINAL  
and STILL the BEST REMEDY for  
ASTHMA, BRONCHIAL ASTHMA  
and BREATHING DIFFICULTIES

Prices: 1/6, 3/6, 5/6, 12/6, 20/-  
P.A.T.A. Terms from all Wholesale Houses.

**DR. SINGHA**  
ASTHMA TABLETS

The DR. SINGHA CO. LTD., CAERNARVON, G.B.

A bird in the  
hand is worth  
two in the bush

FROM "DON QUIXOTE," MIGUEL DE CERVANTES, 1547-1616

PLACE YOUR MAXIMUM  
ORDER NOWRemember that "SevenSeaS" is a rich  
protective food of national importance and  
is being heavily advertised.

"SevenSeaS" will keep almost indefinitely  
in any cool, dark cupboard, and, provided  
it is so stored, will not deteriorate or lose  
its vitamin values.

ISSUED BY BRITISH COD LIVER OIL PRODUCERS  
(HULL LTD. ST ANDREW'S DOCK HULL)





The public appreciates a good product that does them a real service. They show their appreciation by telling their friends about it—they come back again and again. 'ASPRO' is a good product. It never stops crossing the counter! Winter and summer the great 'ASPRO' demand goes on. At the moment when the 'ASPRO' demand for nerviness, sleeplessness, sun glare headaches, sudden summer chills, irritability, etc., begins to ease off—in comes the demand for colds, 'flu and rheumatism. So year by year sales increase and 'ASPRO' advertising never slackens. You get the full benefit of this advertising when you put 'ASPRO' show material in your window. We have reasonable stocks of excellent window shows, printed before the paper shortage became acute, but it may be quite impossible to replace them when our present supplies are used up. We will willingly send you a set on request but would ask you to make the greatest possible use of the 'ASPRO' display material you already hold. Remember, it pays to show the lines that people are looking for. They bring customers into your shop. 'ASPRO' is pre-eminent among them thanks to an advertising policy that has proved well suited to present conditions.

**PEOPLE LOOK FOR THE  
SHOP THAT SELLS 'ASPRO'**  
*-so it's worth while to give*  
**A PERMANENT 'ASPRO'  
DISPLAY!**

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Made in England by ASPRO LTD., Slough, Bucks.

Telephone: Slough 22381

No proprietary right is claimed in the method of manufacture or the formula.



# WAR AND HUMAN METABOLISM

*Doctors Giving Brand's Essence*

## LARGE SALES RESPONSE

SINCE the war began, as might be expected, doctors have noticed an increase in the number of people suffering from lassitude, depression, tiredness of mind and body, loss of appetite, and a general disinterest in life.

These symptoms are familiar even in peace time. They are signs of *depressed metabolism*. They can be caused by living under any mental or physical stress, and the strain of life today can easily account for them.

### *Clinical Experiments*

Several chemists, whose orders for Brand's Essence have increased since the war, reported that doctors were recommending Brand's in cases of this kind. And since Brand's sales have risen appreciably since the war, the makers of Brand's felt that some experiment was called for on the use of Brand's in cases of depressed metabolism.

A famous clinical research institution agreed to make impartial tests. To this end, various accepted preparations for raising the metabolic rate were administered to living subjects by the latest technique.

The doctors were interested to see how repeatedly Brand's Essence achieved the best results. The graphs showed that, on taking half a bottle of either the chicken or beef essence, the subjects' rate of metabolism rose immediately and was sustained over a longer period than when other accepted meat preparations, home-made broths, etc., were taken.

### *Advertising to the Public*

The results of these tests form the basis for a new advertising campaign for Brand's Essence, addressed to the consumer. Authoritative advertisements, presented as straight "news" in the papers and appealing to the educated, moneyed classes of the public, now appear week by week in The Times, the Daily Telegraph, the Observer, the Sunday Times, and Punch.

All those who are feeling the strain of these war-time days and recognise lowered metabolism symptoms in themselves will turn to Brand's Essence. Your sales will receive immediate stimulus.

It will pay you to give Brand's Essence a good display in your window and on your counter. It is still at pre-war prices.



# The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

JAN. 11  
1941

## IMPORTANT TO SUPPLEMENT ADVERTISERS

Instructions for supplement advertising are now accepted in London and at Bath. London press times have been advanced to first post WEDNESDAY morning of week of issue but instructions will still be accepted up to first post THURSDAY morning if sent to Bath.

### THIS IS THE TARIFF

**AGENCIES,  
GOODS FOR SALE,  
PARTNERSHIPS,  
PATENTS,  
PREMISES TO LET,  
FOR SALE or WANTED**

7/6 for 36 words or less,  
2d. for every additional  
word.

**LEGAL NOTICES,  
SALE BY AUCTION,  
TENDERS—AND ALL  
SPECIALLY SPACED  
ANNOUNCEMENTS**

1/9 per nonpareil line.  
(12 lines = 1 inch, single  
column.)

**BUSINESSES for  
DISPOSAL  
BUSINESSES WANTED  
SITUATIONS OPEN**

7/6 for 40 words or less,  
2d. for every additional  
word.

**MISCELLANEOUS SECTION**  
(for Wholesalers, etc.),  
for odd and second-hand  
lots.

12/6 for 60 words or  
less, 1/- for every addi-  
tional 10 words or less.

**SITUATIONS WANTED** { 2/6 for 18 words or less, 1d.  
for every additional word.

**BOX OFFICE NUMBER**  
1/- EXTRA

**EXCHANGE COLUMN** { 2d. per word  
(for Retailers, etc.) minimum 3/-

Advertisements received after these times will not be inserted until the following week. All advertisements should be prepaid and to avoid disappointment send your instructions as early in the week as possible to

THE CHEMIST AND DRUGGIST, THE PITMAN PRESS, BATH  
or to London Office at 28 Essex Street, Strand, London, W.C.2.

*These are Recommended as  
Practical Books for Everyday use*

### PHARMACEUTICAL FORMULAS (P.F., Vol. I)

Price 15s.  
by post  
15/6

The tenth edition of this, the most complete pharmaceutical formulary in the English language, is devoted to the official and semi-official preparations of practically every country in the world. This volume (published 1929) contains 1146 pages. Invaluable to the busy pharmacist. One of the most useful and handiest reference books in the trade.

### PHARMACEUTICAL FORMULAS (P.F., Vol. II)

Price 15s.  
by post  
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Published 1934. Supplementary to Vol. I, and known as "The Chemist's Recipe Book." Contains formulas for adhesives, beverages, cleaning materials, culinary and household requisites, horticultural and agricultural preparations, inks, lozenges, perfumes, photographic preparations, polishes, soaps, toilet articles, varnishes, veterinary preparations, etc., including numerous descriptions of practical methods employed in their manufacture, and other information of use to pharmacists and manufacturers. Over 1000 pages.

No business library is complete without these books. They are time savers and money makers.

You can order through your usual Wholesaler or direct from  
The Publisher

**THE CHEMIST & DRUGGIST**  
28 Essex Street, London, W.C.2

Branch Offices: 4 Cannon St., Manchester 3; 54 Foster's Buildings, High St., Sheffield; 19 Waterloo St., Glasgow; and at Paris, France; Auckland, N.Z.; Melbourne and Sydney, Australia.



## COMFORTS FOR THE SICK AND WOUNDED

In a great war the peace-time resources of the Army Medical Services must be augmented. H.M. Government has accorded the Red Cross and St. John official recognition for co-ordinating all voluntary offers of assistance throughout the Empire to sick and wounded combatants and civilians injured as a result of enemy action.

## WILL YOU PLEASE HELP?

Gifts in kind will be gratefully received by Lord Ebbisham at 54 Victoria Street, S.W.1, and cash contributions will be welcomed by The Lord Mayor of London at the Mansion House, London, E.C.4. All donations should be marked Lord Mayor of London's Red Cross and St. John Fund.

**ALL WILL BE ACKNOWLEDGED**



## SITUATIONS OPEN

## RETAIL (HOME)

**BIRMINGHAM.**—Qualified and Unqualified Assistant wanted. Apply, with full particulars, to Hedges (Chemists), Ltd., Dale End, Birmingham.

**LONDON, W.**—Experienced male Assistant required (Unqualified) for the Marylebone district. Must be capable Dispenser and Counter man. Apply, 375/707, London Office of this Paper.

**NORTH KENSINGTON.**—Unqualified Assistant (male or female required. Must be used to N.H.I. Dispensing and good Counter hand. Display ability an advantage. Apply, 375/709, London Office of this Paper.

**W. 1.**—Qualified Assistant wanted at once for high-class West End business. Please state age, height, previous experience and salary required. Apply, by letter, 374/693, London Office of this Paper.

**WORCESTER PARK, Surrey.**—Chemist requires Assistant (male or female), with previous experience. Ability to dress windows an advantage. Good salary and conditions. Apply, 375/7, London Office of this Paper.

**ASSISTANT.**—Male or Female—required immediately with experience in all Departments. South-West of England. Applications with full particulars as possible in first letter to Holman, Ham & Co., 1 Old Tiverton Road, Exeter.

**ASSISTANTS** required for dispensing and some counter. Must be quick and energetic. Now vacant. Apply with usual particulars to Manager, Holman Ham & Co., Ltd., 9 The Quay, Bideford, N. Devon.

**ASSISTANT, Qualified or Unqualified, for Counter and Dispensing.** State age, experience and salary required. Ostler & Co., 2 Star Hill, Rochester, Kent.

**ASSISTANT, Unqualified (male or female), required immediately for order dispatch department of Veterinary business in evacuation area.** Must be able to drive car. Knowledge of veterinary business an asset but not essential. Apply, by letter only, stating wage required, to J. Thomas (Garstang), Ltd., Veterinary and Dispensing Chemists, Garstang, Lancs.

**MIDDLE-AGED or elderly Man or Woman (Qualified)** wanted at once. Easy duties; whole or part-time as Superintendent. Working-class modern Council estate. Write, stating salary, etc., Symo, 13 Newmarket Green, Eltham, S.E.9.

**PHARMACY.**—Qualified and Unqualified Male Assistants required. Female Assistant, must have had pharmaceutical and general shop experience, also Female Assistants for Pharmacy Distributive Depot (widows and single persons only considered). Apply, in writing, stating age and experience, to the Staff Manager, Royal Arsenal Co-operative Society, Limited, 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." Note: Canvassing of members of the General Committee or Officials will disqualify.

**QUALIFIED Lady Assistant** required for good-class Pharmacy in Richmond, Surrey, district. Knowledge of Window-dressing and experience of high-class Toilet goods. Good permanent employment. Apply, 375/710, London Office of this Paper.

**QUALIFIED Assistant (lady or gentleman)** required at once. L. W. Kinleside, Ltd., 106 Northfield Avenue, Ealing, W.13. (Phone: Ealing 3548.)

**QUALIFIED Manager** required at once. Medium-class Dispensing N.H.I.; good Prescriber; permanency; salary, £5 5s. Hazell, 5 The Colonnade, Woolston, Southampton.

**SLAUGHTER'S (CHEMISTS), LTD.,** have a vacancy for M.P.S. (male or female) for Branch Dispensing Counter, Window-dressing (permanent, if suitable). Must be of sober habits. Phone or write full particulars, 351 High Road, Ilford.

**SUBURBAN Chemist** requires experienced Salesman or Saleswoman for photographic department. Sound knowledge of all modern apparatus necessary. Write fully, H., 24 Market Place, Kingston-on-Thames.

**TAYLORS BRITISH CHEMISTS** have several vacancies in the London district for Qualified Managers and Qualified Assistants. Permanent employment with excellent prospects to suitable applicants. Apply, giving particulars of other employment, age and salary desired to Retail Staff Manager, Taylors British Chemists, 70 Vauxhall Bridge Road, S.W.1.

**UNQUALIFIED Assistant** for N.W. London. Apply, Lewis & Burrows, Ltd., 146 Holborn, E.C.1.

**UNQUALIFIED Assistant** required immediately (lady preferred) for Counter, etc. Must be smart and experienced. Apply, by letter, Berry, 5 Grand Parade, Wembley Park, Middlesex.

**UNQUALIFIED Assistant** required, competent Dispenser and Counter Hand. Apply, giving particulars, age, height, experience and salary required. Aplins, Chemists, Trowbridge, Wilts.

**VACANCY** occurs for Young Lady with previous experience including Toilet and Fancy Goods if possible, in good-class chemist business in Camden Town, London. Good conditions and salary. Apply, 375/706, London Office of this Paper.

**WANTED.**—For country village, Qualified Pharmacy Manager. Applications, stating age, experience and wages required, to be accompanied by copies only, of two recent testimonials, and addressed to the Secretary, Scunthorpe Co-operative Society, Limited, 180 High Street, Scunthorpe. The appointment will be subject to the successful applicant passing an Approved Medical Examination. Applications to be in by January 18, 1941.

**WANTED, Unqualified male Assistant** for afternoons; 1 to 6 p.m.; good Dispenser. Eden, 83 Clowes Street, West Gorton, Manchester, 12.

**WANTED** by Midland Firm, Unqualified Assistant, all-round general experience, reliable and undeniable references. Vacancy now. Apply, "Andirgo," Worcester.

**3 GUINEAS.**—Unqualified Assistant required for busy N.H.I. dispensing business in New Cross district. Must be accurate and reliable. Apply, 375/708, London Office of this Paper.

## WHOLESALE

**LONDON, W.1, Male Order Clerk,** with knowledge of chemists trade, required at once. Full particulars in first letter, age, experience and salary expected, to 374/699, London Office of this Paper.

**A REPRESENTATIVE** for Scotland, with established connexion among chemists, required by well-known perfumery house specialising in goods unrestricted by Limitation of Supplies Order and with subsidiary companies manufacturing wide range of unrestricted goods. Substantial business assured. Liberal terms offered to keen, enthusiastic worker. State age, when disengaged, send details of experience and photograph, if possible, to 374/705, London Office of this Paper.

**CLERKS** required, men or women. Need not necessarily have had previous experience but aptitude for figures and suitability for clerical work essential. Reply to Office Manager, The British Drug Houses, Ltd., London.

**INVOICE Clerk** required for London Wholesale Druggists. Write, stating experience, etc. 365/381, London Office of this Paper.

**INVOICE Typist** required by Provincial Drug House. Knowledge of trade essential. Reply to CDB/326, London Office of this Paper.

**LABORATORY.**—Junior Male Assistant required. Must be strong and used to handling bulk solutions. Progressive salary to keen, capable applicant. Full particulars, experience, salary required, to The London Hospital Ligation Department Annex, Dunmow Road, Bishop's Stortford.

**MIDLAND firm** require Foreman for Packed Goods Department. Reply to CDB/325, London Office of this Paper.

**REPRESENTATIVE.**—A well-known London firm of manufacturing chemists has a vacancy for an unmarried Pharmacist, aged about 28 years. Sound pharmaceutical education and experience is essential. Applicants should be fully conversant with the latest trends in modern therapeutics and should send full particulars of qualifications, experience, salary required, etc., to 374/700, London Office of this Paper.

**REPRESENTATIVE** required to replace one joining H.M. Forces. Territory Edinburgh and North Scotland. Salary, expenses and car found. Submit full details of age, previous experience; include photo. Cupal, Ltd., Blackburn.

**TABLET-MAKER,** experienced, required by a firm of Manufacturing Chemists producing medical specialties in very large quantities for home and foreign markets. Applicants should state age and give details of experience. Write Box 749, c/o 8 Serle Street, W.C.2.

**TABLET Maker and Sugar Coater** wanted for London Wholesale Druggists. 365/382, London Office of this Paper.

## OPTIC

S.M.C., B.O.A., and

Particulars:—

C.A. SCURR, F.S.

50 HIGH STREET

## SITUATE

RI

**DISPENSER.**—Lady dispensary, closed of general practice. 10 Westbourne Road, S.

**MANAGER (58), five** West End, Provin Buildings, Old Church

**PART-TIME Lady** Certificate, exper worker. 89 Ditching

**PERMANENCY, S.W.** married. Ex-service experience. 3 Babbaco

**QUALIFIED, over 40** and Company); F At liberty shortly. CD

**QUALIFIED Chemis** British Isles, excell taking charge. City a splendid references. CI

**YOUNG man, discha** years' full know Retail or Wholesale; 9 go anywhere. Please s this Paper.

## LOCUMS S

**LOCUM. Qualified, ex** Street, Cannock, S

**NORTH-WEST. Ex** Offers services in 46 Denison Road, Viet

**SOUTH of England,** perfumery manufa tion of Supplies, has pe products. Own car. C

**ADVERTISER. Ph** organiser; respon mail, medical propagan Yorkshire, seeks simila valued; change due t Paper.

**PHARMACIST. Var** also control of ma Toilets under modern fe of this Paper.

**REPRESENTATIVE** to Limitation of repute. Twenty years' covered—Notts, Derby London Office of this

**REPRESENTATIVE** calling on Chemi line. Present firm's c connexion. Own car.

## ED AL

**FOR Personal** ence Tuition Apply: C. V. LEIGH ROAD



## MISCELLANEOUS

**L**IMITATION of Supplies Order, Class 9. Northern Ireland Firm having very large quota in this class wishes to make contact with Manufacturing concerns, manufacturing products covered under this class heading. 374/682, London Office of this Paper.

**P**IVATE firm of Chemists in evacuation area wish to purchase quotas of goods in Class 16 (Toilets) and Class 9 (Razors, etc.) from chemists in defence areas and others. Write stating suggested terms, amount, and lines available to 374/703, London Office of this Paper.

**Q**UOTA wanted (Class 16) registered manufacturers or wholesalers with quota to spare are invited to collaborate on generous commission basis. Small quotas as well as large interesting. Write full details to 374/698, London Office of this Paper.

**R**EQUIRED to purchase quotas under Limitation of Supplies Order, 1940, in Classes 16 and 17. Replies will be treated in strict confidence. Write, stating amounts available and terms required, to Box 2019, C. Vernon & Sons, 10 Charterhouse Street, E.C.1.

## AGENCIES

**F**IRM with good connexions and efficient sales staff would welcome a few additional lines to sell on commission basis. Covering London and Provincial Stores and Shippers, also Scotland. Address, in confidence, to G. R. G., 374/694, London Office of this Paper.

**M**ANUFACTURING Chemists whose executives and Representatives call on Wholesalers only, all trad-s, invite correspondence from a firm of repute, desirous of live representation, in Midlands and Southern England. Write 374/697, London Office of this Paper.

## FOR SALE

**F**OR Sale, 5,000 gross Small Corks, 10,000 lbs. No. 2 Tin-nevilly Senna Pods and Leaves. Olive Oil. Vegetable Salad Oil. Neroli Oil. CDB/320, London Office of this Paper.

**S**EVERAL hundred gross 2-dr. hexagonal actinic green bottles with screw neck, suitable for corn cure. Sample on application. 374/695, London Office of this Paper.

**2** GROSS Shaving Soap Bowls with handles, inside measurements, diameter  $3\frac{1}{2}$ ", depth  $1\frac{1}{2}$ ". Roberts & Co., 76 New Bond Street, W.1. What offers?

## WANTED

**G**LASS TUBES, 12/13 x 62/63 mm. Olive Oil, Saccharin, 550. Any quantities, write, stating price for cash, to 374/696, London Office of this Paper.

**O**ILS and Fats of all descriptions wanted, also Glycerine (refined and unrefined) and stearates. Write, 7 Addison Road, London, W.14.

**W**ANTED: all Toilet lines, Razors, and Blades. 374/704, London Office of this Paper.

**W**ANTED, POWDERED SOLUBLE SACCHARIN. Apply, CDB/319, London Office of this Paper.

## EXCHANGE COLUMN

## WANTED

**W**E will exchange Saccharin Tablets for 550 Saccharin or Lactose. Apply, CDB/324, London Office of this Paper.

## SPECIAL NOTICE TO SUBSCRIBERS

Under the present exceptional conditions it is not possible to follow our usual procedure of sending a series of reminders about subscription renewals, nor continue the posting of copies after the subscription has expired, owing to the necessity of conserving paper supplies. For the same reason we cannot supply back numbers after postings have once ceased.

We hope therefore that our friends will co-operate by sending renewal instructions and remittance when due, addressed to

The Chemist and Druggist, The Pitman Press  
Bath, Somerset

N.B.—Changes in name or address or any alteration of any kind in the current mailing list should be sent seven days in advance of the issue which they are to affect.

## LATE NEWS

**BRUCE, STARKE & Co., LTD.**, merchants and importers, have removed to Dunster House, Mincing Lane, London, E.C.3.

**J. A. EWING & Co. (LONDON), LTD.**, buying agents, announce that their new address is Westfield, Westfield Park, Hatch End, Middlesex.

**G. T. FULFORD Co., LTD. (OF CANADA)**, proprietors of Dr. Williams' Medicine Co., have removed to 8 Royston Park Road, Hatch End, Middlesex. Telephone: Hatch End 50.

**Analysis of Leeds Apprentices.**—A statement issued by the Leeds Branch of the Pharmaceutical Society on the apprenticeship position in its area for the year ended December 31, 1940, gives the number of apprentices in the city as thirty-two and outside the city as eleven. Of the total, thirty-seven are boys and six girls. These figures compare with the following in previous years: year ended December 31, 1934, 105; 1935, 98; 1936, 88; 1937, 71; 1938, 58; 1939, 40; 1940, 43.

**National Pharmaceutical Union.**—An emergency meeting of the Executive was held in London on December 31, Mr. J. Hearle (chairman) presided. The chairman said the reason for calling the special meeting was that it had been necessary immediately to arrive at a satisfactory conclusion on important matters.

**Co-OPERATIVE SOCIETIES.**—The Executive received the report of the Liaison Committee regarding the position of the co-operative societies under Clauses 8, 9 and 10 of the Pharmacy Act and the Executive informed the Pharmaceutical Society of the course of action which, in their opinion, should be adopted by the Council.

**MEDICINE STAMP DUTY ABOLITION.**—After carefully considering a proposal made by the proprietary medicine manufacturers as being the only one acceptable to them, but which would be quite useless from the point of view of safeguarding the chemist's position, the Executive decided that a proposal be sent to the proprietary medicine manufacturers with an intimation that nothing less could be accepted by the Executive and if this was not acceptable to them the negotiations must be regarded as concluded.

## Proprietary Articles Trade Association

**Alterations and Deletions to Protected List.**—(Prices quoted include purchase tax unless otherwise stated)—*Scott & Bowne, Ltd.*, Scott's brand emulsion, 1s. 6d., 14s. 9d., doz.; 3s. 6d., 34s. 7d., doz.; 5s. 6d., 54s. 3d., doz.; 45s. parcels: 11s. 11d., 27s. 10d. and 43s. 6d. doz. respectively, plus purchase tax; stamped pack: 1s. 6d., 15s. 6d. doz.; 3s. 6d., 36s. 5d. doz.; 5s. 6d., 57s. 5d. doz.

**Deletions.**—*Dae Health Laboratories, Ltd.*, Veet. Tokalon, Tokalon toilet preparations. *Ingram & Royle, Ltd.*, Contrexville-Pavillon water; Vichy Célestins; Vichy Grande Grille; Vichy Hôpital. *Coty (England), Ltd.*, Coty beauty milk, perfumes, eau de Cologne (Cordon Rouge); eau de Cologne Chypree and eau de lavande. *A. S. Hinds, Ltd.*, 2s. size Hinds cream. *Bob Martin, Ltd.*, 1s. size Bloom shampoo. *Roche Products, Ltd.*, Nestrovit vitamin emulsion. *Paris Medicine Co.*, Pazo brand pile ointment; L.B.Q. brand of laxative bromo-quinine tablets. *Morse Sales Co.*, Vick vapour rub (stamped pack). *Vick-Vatrol* brand nasal medicament. *Culmak, Tonsor*, Traveller shaving brushes; Cream Beetle shaving brush drier. *Bayer Products, Ltd.*, Orifiron. *Pompeian Products*, Pompeian lipsticks, rouge and massage cream.

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Any such employee of a retail pharmacist whether qualified or not, or any employee of works producing or distributing products in connexion with the drug and associated industries is invited to make full use of this facility without charge.

Advertisements should be accompanied by particulars of last employment and cause of its termination, and should be addressed to The Publisher, The Chemist and Druggist, The Pitman Press, Bath, to arrive not later than WEDNESDAY morning of week of issue.

## WAR-TIME UNEMPLOYMENT SITUATIONS WANTED

The advertisements in this section are inserted free and are from advertisers who have lost their employment as a direct result of the war.

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*Advertisers in this Section should advise us immediately employment has been secured.*

### RETAIL

**CHEMIST** (35), capable Manager, effective Window-dresser, accurate Dispenser, requires permanency in Leeds or near. London and provincial experience. "Chemist," 5 Henconner Drive, Leeds, 7.

**DISPENSER**, lady, Unqualified; 21 years' experience; last 14 years dispensing for same firm of doctors; free entirely owing to evacuation of patients; highest recommendation. S.W. London preferred. Apply, 32 Babington Road, Streatham, S.W.16.

**HOSPITAL Dispenser, Lady**; free afternoons, part-time duty, or as Secretary-Dispenser general practice. London CDB/274, London Office of this Paper.

**PHARMACIST**, married, tall, with personality, desires Management. London experience. Suburban. Kent preferred but not essential. Free now. CDB/245, London Office of this Paper.

**QUALIFIED** (48), married, disengaged through enemy action seeks immediate employment in any position of trust; 20 years' experience in all branches (some wholesale), within 50 miles Bristol preferred but not essential. CDB/312, London Office of this Paper.

**YOUNG LADY** (24), Unqualified, all-round experience in Retail Pharmacy, requires position, preferably in East End of London. Excellent references. Apply CDB/273, London Office of this Paper.

### WHOLESALE

**EXPERIENCED** Sugar-coater, disengaged, also Pill-maker and Pearl-coater; 30 years' experience. CDB/307, London Office of this Paper.

**FRIENDLY** alien (46), unfit for military service, desires post as Assistant in chem. pharm. laboratory or factory, research and bacteriological routine, tablet making, supervisor packing department, etc.; central-registered with the Ministry of Labour. S. Tuckner, 43 Murray Street, Salford, 7, Manchester.

**PHARMACEUTICAL Chemist** (40) with 24 years wholesale experience in manufacturing and executive positions, desires post in similar capacity. Present firm's activities entirely suspended due to enemy action. CDB/317, London Office of this Paper.

**REPRESENTATIVE** (55), very fit, disengaged owing to enemy action. Lengthy experience calling on chemists, etc. (perfumery and cosmetics). Not a chemist, but could handle proprietaries, packed goods, etc. Well known London area but would go anywhere. Excellent references, highest credentials. Own car. CDB/265, London Office of this Paper.

**REPRESENTATIVE** (55), disengaged owing to enemy action. Thirty years' experience calling on Chemists, Hairdressers, Stores, and Wholesale. London, South Coast, and Home Counties. Very active, car driver. CDB/303, London Office of this Paper.

**REPRESENTATIVE** (49), active, disengaged when required owing to war. Twelve years present firm; well known to Chemists and Stores North of Thames. Wholesale and Retail. Highest credentials. CDB/302, London Office of this Paper.

**REPRESENTATIVE**, very well known to the Trade, West and North Riding of Yorkshire; 15 years with present firm; keen salesman; opened and kept over 1,000 accounts; has full confidence of Chemists. Disengaged January 1, owing to war. CDB/278, London Office of this Paper.

**REPRESENTATIVE** (young), 7 years with present House (bombed out) seeks position. Excellent connexion S. Wales, Lancs, Yorks, N.W. Counties, etc. Drugs, Sundries, Toilets, etc. Can commence immediately. CDB/310, London Office of this Paper.

**REPRESENTATIVE**, over military age, disengaged owing to enemy action, has successfully represented well-known firm in South Western Counties for twenty years. Has confidence of all Chemists, Stores, etc.; Perfumery, Cosmetics, Sundries, Packed Goods. Car driver. Highest credentials. H. Russ, "Green Acres," 9 Brickhouse Hill, Tiverton, Devon.

**REPRESENTATIVE**.—Twenty years' experience on the road. East Anglia, South Midlands, etc., calling on Chemists, Hairdressers, and Stores. Disengaged owing to enemy action. Excellent reference. Car driver. Apply CDB/318, London Office of this Paper.

**SALES Representative** (42) disengaged owing to Limitation of Supplies Order, has established connexion among Chemists and Stores in London and district; 11 years with last firm; 21 years' sales experience. Excellent references, Car driver. CDB/308, London Office of this Paper.

**WELL-KNOWN**, successful Midlands, Yorkshire Representative, 16 years, desires post. Ineligible military services, experienced all requirements for Pharmacists, Hairdressers. Quota compelled late firm to suspend representation. Own car. Salary, expenses. CDB/306, London Office of this Paper.

## PURCHASE TAX GUIDE

This guide provides quick and easy alphabetical reference to all the types of goods of interest to the pharmaceutical, chemical and associated industries specified in the schedule of goods chargeable with purchase tax, issued by Customs (Notice No. 78).

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